

Environmental

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to RLM

5-19-05

PV

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May 5, 2005

Ms. Cat Runden
Tesoro Environmental Resources Company
3450 S. 344th Way, Suite 100
Auburn WA 98001-5931

Subject: *Quarterly Ground Water Monitoring and
Remediation System Status Report, First Quarter 2005*
Tesoro Station No. 67062
(Former Beacon Station No. 3700)
7898 Old Redwood Highway
Cotati, California
RDM Project No. 00-3700

Dear Ms. Runden:

On Behalf of Tesoro Environmental Resources Company (Tesoro), RDM Environmental (RDM) has prepared the following quarterly ground water monitoring report. This report describes quarterly ground water monitoring and remediation system status for the **First Quarter 2005**.

Work Performed During the First Quarter 2005:

- Ground water sampling was conducted on **February 18, 2005**.
- Operation and maintenance was conducted bi-monthly on the remediation system.

STATUS OF GROUND WATER MONITORING

Cumulative ground water sampling information is tabulated in Table 1. A site location map, site map, ground water elevation contour map for the A-Zone and B-Zone, and benzene, total petroleum hydrocarbon (TPH) as gasoline, and methyl-t-butyl ether iso-concentration maps for both the A-Zone and B-Zone are illustrated on Figures 1 through 10, respectively. MTBE is the primary chemical of concern for this site. Tesoro was directed by the Regional Water Quality Control Board to evaluate varying ground water characteristics of the two upper water bearing zones (A-Zone 10 to 20 feet below surface grade (bsg) and B-Zone 30 to 40 feet bsg). Figures 3 through 10 are a reflection of this evaluation.

The site history is included in Enclosure A, the quarterly monitoring data sheets are included in Enclosure B and the ground water analytical results are included in Enclosure C. Historical ground water monitoring data is included in Enclosure D.

- Local ground water flows towards the recovery wells and historical ground water flow direction is to the south.

STATUS OF REMEDIATION SYSTEM

Operation and maintenance is performed bi-monthly by RDM on a remediation system consisting of ground water treatment and air sparging components. A process flow diagram showing details of the system is shown as Figure 11.

Operation & Maintenance Site Visits:

- Operation and maintenance site visits were conducted for the **First Quarter 2005** on:
 - **January 5 and 27, 2005**
 - **February 16 and 27, 2005**
 - **March 7 and 24, 2005**

Ground Water Extraction System Performance:

- The ground water treatment system operated continuously during the **First Quarter 2005**.
- During the **First Quarter 2005**, the ground water treatment system processed approximately 32,400 gallons.
- As of **March 24, 2005**, the ground water treatment system has processed approximately 2,411,040 gallons.
- The ground water treatment system performance data is included in Table 2. Remediation system analytical results are included in Enclosure E.
- The ground water treatment system extracts ground water from recovery wells RW-2 and RW-3A.

Air Sparging System Performance:

- The air sparging system did not operate during the **First Quarter 2005**. The air sparge system was shut off during the ozone sparge test so as not to interfere with the ozone test results.
- When operational, the air sparging system injects air into monitoring wells MW-2, MW-4, MW-8, MW-9, MW-10, MW-14, and MW-19.
- The air-sparging compressor is operating with a 50/50 duty cycle.

Purge Water & Disposal

Purge water from the quarterly ground water monitoring event was pumped through the onsite remediation system and discharged into the sanitary sewer under permit.

CONCLUSIONS/RECOMMENDATIONS

The ground water treatment system performance data included in Table 2 indicates the ground water treatment system is extracting and treating elevated concentrations of dissolved MTBE. RDM recommends continued operation of the remediation system and quarterly ground water monitoring.

Ms. Cat Runden
Tesoro Environmental Resources Company
May 5, 2005
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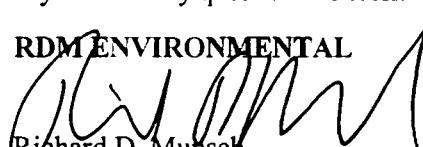
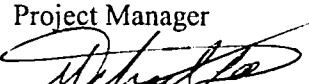
The field readings from the long term ozone sparge test indicate positive results for the use of a full scale ozone system. The long term ozone test data indicate ozone is a viable technology to address the impacted ground water related to the site. RDM is moving forward with the full scale ozone system. The ozone sparge wells are scheduled to be installed during early June 2005 and the installation of the ozone sparge system is tentatively scheduled for July 2005.

The interpretations contained in this report represent our professional opinions and are based, in part, on information supplied by the client. These opinions are based on currently available information and are arrived at in accordance with currently accepted hydrogeologic and engineering practices at this time and location. Other than this, no warranty is implied or intended.

RDM recommends that this report be forwarded to the following agency:

Ms. Beth Lamb
California Regional Water Quality Control Board,
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, CA 95403

If you have any questions concerning this project, please contact Richard Munsch at (916) 415-1134.

RDM ENVIRONMENTAL

Richard D. Munsch
Project Manager

Michael G. Lee, P.E.
California Registered Civil Engineer No. C055795



RDM (67062 1Q GWM 2-18-04.doc)

cc: Ms. Tammy Devol – Santa Rosa Sub-Regional Water Reclamation System

Enclosures:

- Enclosure A: Site Background Information
- Enclosure B: Ground Water Sampling Information
- Enclosure C: Ground Water Monitoring Analytical Results
- Enclosure D: Historical Ground Water Monitoring Data
- Enclosure E: Remediation System Analytical Results

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-2	08/20/98	106.58	12.16	94.42	<50	<50	<50	<50	<5,000	1,000	NA	No LPH or sheen
	11/18/98		16.26	90.32	<0.5	<0.5	<0.5	0.76	74	140	NA	No LPH or sheen
	02/15/99		11.78	94.80	0.72	0.93	<0.5	1.5	69	6,800	NA	No LPH or sheen
	05/19/99		12.51	94.07	<0.5	<0.5	<0.5	<0.5	73	38	NA	No LPH or sheen
	09/08/99		15.97	90.61	<0.5	0.76	<0.5	<0.5	130	580	NA	No LPH or sheen
	11/24/99		17.37	89.21	<2.5	3.7	<2.5	<2.5	4200	6,900	NA	No LPH or sheen
	03/15/00		10.50	96.08	<2.0	<2.0	<2.0	<2.0	<200	16,000	NA	No LPH or sheen
	11/27/00		17.03	89.55	<5.0	<5.0	<5.0	<5.0	<500	1,700	NA	No LPH or sheen
	02/13/01		14.26	92.32	<5.0	<5.0	<5.0	<5.0	<500	2,800	NA	No LPH or sheen
	06/14/01		15.27	91.31	<2.5	<2.5	<2.5	<2.5	<250	1,100	NA	No LPH or sheen
	08/28/01		17.59	88.99	<5.0	<5.0	<5.0	<5.0	3000	<500	NA	No LPH or sheen
	11/26/01		18.05	88.53	<2.0	<2.0	<2.0	<2.0	<200	660	NA	No LPH or sheen
	03/07/02	108.69	12.15	95.54	<50	<50	<50	<50	<5,000	21,000	NA	No LPH or sheen
	06/10/02		14.78	93.91	<10	<10	<10	<10	24000	4,300	NA	No LPH or sheen
	08/26/02		17.22	91.47	<5.0	<5.0	<5.0	<5.0	<500	2,100	NA	No LPH or sheen
	11/27/02		18.75	89.94	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		13.29	95.40	<25	<25	<25	<25	<2,500	10,000	3400 ^a	No LPH or sheen
	05/28/03		13.41	95.28	<1.5	<1.5	<1.5	<1.5	<200	600	970 ^a	No LPH or sheen
	08/11/03		15.32	93.37	<5.0	<5.0	<5.0	<5.0	<500	1,700	2,300 ^a	No LPH or sheen
	11/20/03		18.21	90.48	<1.5	<1.5	<1.5	<1.5	<200	830	2200 ^a	No LPH or sheen
	03/12/04		11.68	97.01	4.0	1.2	<1.0	1.7	110	130	2100 ^a	No LPH or sheen
	05/01/04		13.34	95.35	<0.5	<0.5	<0.5	<0.5	81	91	1300 ^a	No LPH or sheen
	07/09/04		14.61	94.08	<0.5	<0.5	<0.5	<0.5	75	36	600 ^a	No LPH or sheen
	11/19/04		14.88	93.81	<0.5	<0.5	<0.5	<0.5	98	11	200 ^a	No LPH or sheen
	02/18/05		11.70	96.99	<0.5	<0.5	<0.5	<0.5	100	27	910 ^a	No LPH or sheen

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 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-3	08/20/98	105.99	12.39	93.60	NS	NS	NS	NS	NS	NS	NA	Not sampled
	11/18/98		16.04	89.95	NS	NS	NS	NS	NS	NS	NA	Not sampled
	02/15/99		10.99	95.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		11.94	94.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.86	90.13	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.14	88.85	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		9.16	96.83	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		18.70	87.29	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		13.24	92.75	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.08	91.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		16.31	89.68	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		17.01	88.98	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	108.60	11.88	96.72	<0.5	<0.5	<0.5	<0.5	<50	140	NA	No LPH or sheen
	06/10/02		14.20	94.40	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		16.70	91.90	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		18.12	90.48	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		12.60	96.00	<0.5	<0.5	<0.5	<0.5	<50	88	ND	No LPH or sheen
	05/28/03		11.55	97.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		14.81	93.79	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		17.90	90.70	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		10.43	98.17	<0.5	<0.5	<0.5	<0.5	<50	760	ND	Not sampled
	05/01/04		12.63	95.97	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		14.16	94.44	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		14.29	94.31	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		9.96	98.64	<0.5	<0.5	<0.5	<0.5	<50	19.0	ND	No LPH or sheen

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MW-4	08/20/98	104.52	12.74	91.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		14.91	89.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		13.12	91.40	<0.5	<0.5	<0.5	<0.5	86	15	NA	No LPH or sheen
	05/19/99		10.44	94.08	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		16.50	88.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.40	87.12	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		9.44	95.08	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		18.98	85.54	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		15.83	88.69	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.90	89.62	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		17.46	87.06	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		19.92	84.60	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	107.18	11.65	95.53	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		14.06	93.12	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		16.58	90.60	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		17.98	89.20	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	05/28/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	08/11/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	11/20/03		NM	NC	NS	NS	NS	NS	NS	NS	NS	Not Located
	03/12/04		8.85	98.33	0.75	<0.5	<0.5	2.60	<50	3.1	7.5 ^a , 0.58 ^b	No LPH or sheen
	05/01/04		10.88	96.30	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		13.80	93.38	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		14.16	93.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.66	98.52	<0.5	<0.5	<0.5	0.67	<50	2.6	ND	No LPH or sheen

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MW-5	08/20/98	104.91	12.63	92.28	2.6	0.72	<0.5	0.54	350	<50	NA	No LPH or sheen
	11/18/98		15.40	89.51	1.7	0.7	<0.5	1.1	<50	<5.0	NA	No LPH or sheen
	02/15/99		12.88	92.03	0.91	<0.5	<0.5	<0.5	61	<5.0	NA	No LPH or sheen
	05/19/99		9.65	95.26	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		15.07	89.84	1.5	<0.5	<0.5	1.3	120	<5.0	NA	No LPH or sheen
	11/24/99		16.95	87.96	2.0	0.55	<0.5	1.3	200	<5.0	NA	No LPH or sheen
	03/15/00		8.31	96.60	<0.5	<0.5	<0.5	<0.5	59	<5.0	NA	No LPH or sheen
	11/27/00		17.32	87.59	2.2	<0.5	<0.5	0.75	230	<0.5	NA	No LPH or sheen
	02/13/01		15.81	89.10	2.4	0.54	<0.5	0.98	120	0.58	NA	No LPH or sheen
	06/14/01		14.82	90.09	2.6	<0.5	<0.5	0.88	89	<0.5	NA	No LPH or sheen
	08/28/01		17.40	87.51	3.0	0.6	<0.5	0.73	550	<0.5	NA	No LPH or sheen
	11/26/01		20.22	84.69	2.7	<0.5	<0.5	0.85	390	<0.5	NA	No LPH or sheen
	03/07/02	106.84	10.60	96.24	1.2	2.9	<0.5	<0.5	160	<0.5	NA	No LPH or sheen
	06/10/02		12.99	93.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/26/02		15.21	91.63	1.3	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/27/02		19.19	87.65	2.2	0.54	<0.5	0.61	<50	<0.5	ND	No LPH or sheen
	02/27/03		12.35	94.49	0.67	0.79	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		11.16	95.68	0.64	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		14.90	91.94	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/20/03		17.30	89.54	1.6	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	03/12/04		8.57	98.27	0.7	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		10.19	96.65	0.63	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/09/04		12.93	93.91	1.30	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/19/04		13.64	93.20	1.30	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/18/05		7.99	98.85	<0.5	0.75	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

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MW-6	08/20/98	107.81	12.81	95.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		16.98	90.83	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		12.58	95.23	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		9.54	98.27	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.01	92.80	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		15.98	91.83	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		10.56	97.25	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.01	90.80	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		15.00	92.81	<0.5	<0.5	<0.5	<0.5	<50	3.7	NA	No LPH or sheen
	06/14/01		15.78	92.03	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		18.29	89.52	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		18.62	89.19	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	110.20	12.43	97.77	<0.5	<0.5	<0.5	<0.5	<50	6.4	NA	No LPH or sheen
	06/10/02		14.91	95.29	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		17.38	92.82	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		18.81	91.39	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		13.28	96.92	<0.5	<0.5	<0.5	<0.5	<50	4.7	ND	No LPH or sheen
	05/28/03		12.81	97.39	<0.5	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		15.42	94.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		18.44	91.76	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		10.86	99.34	NS	NS	NS	NS	NS	NS	NS	Not sampled
	05/01/04		13.11	97.09	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		15.24	94.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		15.29	94.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		10.57	99.63	<0.5	<0.5	<0.5	<0.5	<50	2.2	ND	No LPH or sheen

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Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-7	08/20/98	106.31	12.26	94.05	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		15.36	90.95	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		9.82	96.49	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		10.75	95.56	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		16.03	90.28	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.01	89.30	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		8.30	98.01	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.20	89.11	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		11.72	94.59	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		12.70	93.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		15.68	90.63	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		15.91	90.40	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	108.12	9.61	98.51	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		12.10	96.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		15.51	92.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		16.62	91.50	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		10.49	97.63	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		10.31	97.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		12.92	95.20	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		16.10	92.02	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		8.83	99.29	<0.5	<0.5	<0.5	<0.5	<50	100	ND	No LPH or sheen
	05/01/04		10.95	97.17	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		12.63	95.49	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		12.70	95.42	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.75	99.37	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

TABLE 1
GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-8	08/20/98	106.50	12.43	94.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		15.04	91.46	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		11.61	94.89	<0.5	<0.5	<0.5	<0.5	<50	28	NA	No LPH or sheen
	05/19/99		11.95	94.55	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		15.42	91.08	<0.5	<0.5	<0.5	<0.5	<50	5.9	NA	No LPH or sheen
	11/24/99		15.45	91.05	<0.5	0.51	<0.5	0.6	<50	10	NA	No LPH or sheen
	03/15/00		7.57	98.93	<0.5	<0.5	<0.5	<0.5	59	<5.0	NA	No LPH or sheen
	11/27/00		15.93	90.57	<0.5	<0.5	<0.5	<0.5	<50	0.6	NA	No LPH or sheen
	02/13/01		11.37	95.13	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		13.19	93.31	<0.5	<0.5	<0.5	<0.5	<50	0.95	NA	No LPH or sheen
	08/28/01		16.17	90.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		Dry	NC	NS	NS	NS	NS	NS	NS	NS	Dry
	03/07/02	108.54	7.80	100.74	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		12.33	96.21	<0.5	<0.5	<0.5	<0.5	<50	3.7	NA	No LPH or sheen
	08/26/02		15.78	92.76	<0.5	<0.5	<0.5	<0.5	<50	8.0	NA	No LPH or sheen
	11/27/02		16.70	91.84	<0.5	<0.5	<0.5	<0.5	<50	110	19*	No LPH or sheen
	02/27/03		9.52	99.02	<0.5	<0.5	<0.5	<0.5	<50	0.6	ND	No LPH or sheen
	05/28/03		10.78	97.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		13.27	95.27	<0.5	<0.5	<0.5	<0.5	<50	8.3	ND	No LPH or sheen
	11/20/03		16.55	91.99	<0.5	<0.5	<0.5	<0.5	<50	140	18*	No LPH or sheen
	03/12/04		8.54	100.00	<0.5	<0.5	<0.5	<0.5	<50	6.4	ND	No LPH or sheen
	05/01/04		10.99	97.55	<0.5	<0.5	<0.5	<0.5	<50	15	ND	No LPH or sheen
	07/09/04		12.42	96.12	<0.5	<0.5	<0.5	<0.5	<50	28	ND	No LPH or sheen
	11/19/04		12.70	95.84	<0.5	<0.5	<0.5	<0.5	<50	11	ND	No LPH or sheen
	02/18/05		8.84	99.70	0.89	1.6	<0.5	0.94	<50	<0.5	ND	No LPH or sheen

TABLE I

GROUND WATER MONITORING DATA
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Old Redwood Highway
 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-9	08/20/98	106.25	11.41	94.84	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		15.86	90.39	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		11.72	94.53	<0.5	<0.5	<0.5	<0.5	<50	9.1	NA	No LPH or sheen
	05/19/99		11.98	94.27	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.47	90.78	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		16.70	89.55	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		5.85	100.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		12.16	94.09	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		6.01	100.24	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		10.30	95.95	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		12.13	94.12	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		12.50	93.75	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	108.39	6.05	102.34	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		8.70	99.69	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		11.50	96.89	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		17.76	90.63	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		8.94	99.45	<0.5	<0.5	<0.5	<0.5	<50	0.57	ND	No LPH or sheen
	05/28/03		9.81	98.58	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		12.06	96.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		14.98	93.41	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		6.59	101.80	<0.5	<0.5	<0.5	<0.5	<50	0.73	ND	No LPH or sheen
	05/01/04		8.36	100.03	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		11.21	97.18	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		9.42	98.97	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		6.90	101.49	<0.5	<0.5	<0.5	<0.5	<50	0.98	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Old Redwood Highway
 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-10	08/20/98	106.47	12.84	93.63	2.3	1.2	4.5	26	420	<5.0	NA	No LPH or sheen
	11/18/98		15.73	90.74	3.5	2.2	4.9	33	1100	9.7	NA	No LPH or sheen
	02/15/99		11.64	94.83	5.4	0.71	12	43	630	<5.0	NA	No LPH or sheen
	05/19/99		11.80	94.67	<0.5	<0.5	<0.5	0.56	69	<5.0	NA	No LPH or sheen
	09/08/99		15.26	91.21	1.9	0.69	6.0	26	770	<5.0	NA	No LPH or sheen
	11/24/99		16.46	90.01	1.2	0.74	3.8	21	1100	<5.0	NA	No LPH or sheen
	03/15/00		8.22	98.25	<0.5	<0.5	<0.5	0.87	58	<5.0	NA	No LPH or sheen
	11/27/00		16.95	89.52	<0.5	<0.5	2.8	18	1,000	0.66	NA	No LPH or sheen
	02/13/01		14.39	92.08	<0.5	<0.5	<0.5	0.71	<50	0.76	NA	No LPH or sheen
	06/14/01		15.07	91.40	<0.5	<0.5	1.9	11	750	1.0	NA	No LPH or sheen
	08/28/01		17.31	89.16	1.1	0.68	8.7	54	1,900	2.8	NA	No LPH or sheen
	11/26/01		Dry	NC	NS	NS	NS	NS	NS	NS	NS	Dry
	03/07/02	108.60	10.71	95.76	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		13.82	94.78	<0.5	<0.5	<0.5	<1.0	<50	0.52	NA	No LPH or sheen
	08/26/02		16.81	91.79	<0.5	<0.5	<0.5	1.9	71	0.53	NA	No LPH or sheen
	11/27/02		18.38	90.22	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		12.40	96.20	<0.5	<0.5	<0.5	1.9	130	0.54	ND	No LPH or sheen
	05/28/03		11.65	96.95	<0.5	<0.5	<0.5	<0.5	<50	0.91	ND	No LPH or sheen
	08/11/03		14.43	94.17	<0.5	<0.5	<0.5	<0.5	<50	0.66	ND	No LPH or sheen
	11/20/03		17.69	90.91	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		9.44	99.16	<0.5	<0.5	3.10	20	720	1.2	ND	No LPH or sheen
	05/01/04		11.26	97.34	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		12.86	95.74	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		9.72	98.88	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		9.42	99.18	<0.5	<0.5	1.1	6.2	220	0.66	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-13	08/20/98	106.01	11.01	95.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		14.29	91.72	<0.5	<0.5	<0.5	<0.5	<50	81	NA	No LPH or sheen
	02/15/99		9.42	96.59	<0.5	<0.5	<0.5	<0.5	<50	120	NA	No LPH or sheen
	05/19/99		10.11	95.90	<0.5	<0.5	<0.5	<0.5	<50	72	NA	No LPH or sheen
	09/08/99		13.46	92.55	<0.5	<0.5	<0.5	<0.5	<50	10	NA	No LPH or sheen
	11/24/99		14.47	91.54	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		7.70	98.31	<0.5	<0.5	<0.5	<0.5	<50	92	NA	No LPH or sheen
	11/27/00		14.91	91.10	<0.5	<0.5	<0.5	<0.5	<50	23	NA	No LPH or sheen
	02/13/01		11.64	94.37	<0.5	<0.5	<0.5	0.71	<50	35	NA	No LPH or sheen
	06/14/01		12.80	93.21	<0.5	<0.5	<0.5	<0.5	<50	13	NA	No LPH or sheen
	08/28/01		15.45	90.56	<0.5	<0.5	<0.5	<0.5	510	4.9	NA	No LPH or sheen
	11/26/01		15.45	90.56	<0.5	<0.5	<0.5	<0.5	<50	3.5	NA	No LPH or sheen
	03/07/02	108.09	9.15	98.94	<0.5	<0.5	<0.5	<0.5	<50	100	NA	No LPH or sheen
	06/10/02		11.96	96.13	<0.5	<0.5	<0.5	<0.5	<50	11	NA	No LPH or sheen
	08/26/02		15.27	92.82	<0.5	<0.5	<0.5	<0.5	<50	18	NA	No LPH or sheen
	11/27/02		16.80	91.29	<0.5	<0.5	<0.5	<0.5	<50	4.7	ND	No LPH or sheen
	02/27/03		10.20	97.89	<0.5	<0.5	<0.5	<0.5	<50	37	ND	No LPH or sheen
	05/28/03		10.11	97.98	<0.5	<0.5	<0.5	<0.5	<50	7.4	ND	No LPH or sheen
	08/11/03		12.14	95.95	<0.5	<0.5	<0.5	<0.5	<50	3.1	ND	No LPH or sheen
	11/20/03		16.09	92.00	<0.5	<0.5	<0.5	<0.5	<50	1.8	ND	No LPH or sheen
	03/12/04		8.37	99.72	<0.5	<0.5	<0.5	<0.5	<50	10	ND	No LPH or sheen
	05/01/04		10.28	97.81	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No LPH or sheen
	07/09/04		11.32	96.77	<0.5	<0.5	<0.5	<0.5	<50	1.5	ND	No LPH or sheen
	11/19/04		11.67	96.42	<0.5	<0.5	<0.5	<0.5	<50	1.2	ND	No LPH or sheen
	02/18/05		8.37	99.72	<0.5	<0.5	<0.5	<0.5	<50	0.69	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-14	08/20/98	106.64	13.91	92.73	550	240	73	1,100	6400	7,600	NA	No LPH or sheen
	11/18/98		18.75	87.89	4.7	9.8	7.0	87	660	24	NA	No LPH or sheen
	02/15/99		15.51	91.13	<0.5	<0.5	<0.5	<0.5	75	67	NA	No LPH or sheen
	05/19/99		14.12	92.52	4,500	1,400	960	4,000	34000	13,000	NA	No LPH or sheen
	09/08/99		17.77	88.87	2,400	1,100	670	3,000	28000	4,700	NA	No LPH or sheen
	11/24/99		18.70	87.94	380	100	190	310	4200	2,800	NA	No LPH or sheen
	03/15/00		12.57	94.07	1,900	670	630	2,400	30,000	12,000	NA	No LPH or sheen
	11/27/00		19.53	87.11	1,700	430	350	1,400	16,000	9,900	NA	No LPH or sheen
	02/13/01		16.84	89.80	1,100	330	240	1,000	9,900	10,000	NA	No LPH or sheen
	06/14/01		17.71	88.93	2,500	620	460	1,600	17,000	6,600	NA	No LPH or sheen
	08/28/01		19.90	86.74	2,300	540	510	1,600	17,000	7,800	NA	No LPH or sheen
	11/26/01		21.23	85.41	1,500	430	330	1,200	13,000	4,600	NA	No LPH or sheen
	03/07/02	108.31	14.51	93.80	1,700	480	570	1,800	18,000	3,400	NA	No LPH or sheen
	06/10/02		16.86	91.45	1,900	410	450	1,300	13,000	3,300	NA	No LPH or sheen
	08/26/02		19.02	89.28	15	<5.0	<5.0	<5.0	1,400	3,000	NA	No LPH or sheen
	11/27/02		21.51	86.80	680	200	210	860	15,000	4,400	620 ^a	No LPH or sheen
	02/27/03		15.56	92.75	490	70	72	220	4,400	2,700	430 ^a	No LPH or sheen
	05/28/03		15.37	92.94	430	41	52	130	3,600	1,700	400 ^a	No LPH or sheen
	08/11/03		17.50	90.81	25	3.8	2.1	9.6	910	960	250 ^a	No LPH or sheen
	11/20/03		20.21	88.10	32	2.3	<2.0	7.0	1,100	1,400	210 ^a	No LPH or sheen
	03/12/04		13.31	95.00	3,100	660	360	1,400	18,000	3,100	710 ^a	No LPH or sheen
	05/01/04		14.94	93.37	2,400	320	260	870	16,000	3,600	630 ^a	No LPH or sheen
	07/09/04		16.27	92.04	2,300	240	210	760	14,000	2,700	620 ^a	No LPH or sheen
	11/19/04		16.44	91.87	1,000	120	81	320	6,200	1,100	900 ^a , 0.94 ^b , 0.61 ^b	No LPH or sheen
	02/18/05		13.09	95.22	1,400	180	120	470	8,100	890	1,100 ^a	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-15	08/20/98	105.12	13.75	91.37	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		16.95	88.17	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		13.05	92.07	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		10.68	94.44	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		16.25	88.87	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/24/99		17.48	87.64	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		9.89	95.23	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.49	87.63	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/13/01		16.71	88.41	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.84	90.28	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/28/01		18.31	86.81	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/26/01		18.75	86.37	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPII or sheen
	03/07/02	107.77	12.00	95.77	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		13.09	94.68	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/26/02		16.60	91.17	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/27/02		19.10	88.67	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/27/03		12.96	94.81	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		10.55	97.22	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		15.51	92.26	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/20/03		18.37	89.40	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	03/12/04		9.55	98.22	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		11.38	96.39	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/09/04		13.54	94.23	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/19/04		13.89	93.88	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/18/05		9.03	98.74	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Old Redwood Highway
 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-16	08/20/98	104.92	12.92	92.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		16.93	87.99	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		11.31	93.61	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		9.59	95.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		15.11	89.81	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		16.16	88.76	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		8.81	96.11	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		15.04	89.88	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		14.20	90.72	<0.5	<0.5	<0.5	<0.5	<50	0.56	NA	No LPH or sheen
	06/14/01		15.21	89.71	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		17.40	87.52	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		18.31	86.61	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	107.61	9.63	97.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	06/10/02		12.06	95.55	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		15.30	92.31	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		16.98	90.63	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		11.12	96.49	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		10.12	97.49	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		15.05	92.56	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		16.75	90.86	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		8.54	99.07	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		10.18	97.43	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		12.51	95.10	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		13.28	94.33	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.14	99.47	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

TABLE 1

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 7898 Old Redwood Highway
 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-17	08/20/98	103.01	12.96	90.05	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/18/98		16.91	86.10	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		12.19	90.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		11.24	91.77	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		15.65	87.36	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/24/99		16.61	86.40	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		9.06	93.95	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		16.82	86.19	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/13/01		14.85	88.16	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		14.60	88.41	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/28/01		17.56	85.45	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/26/01		18.40	84.61	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	03/07/02	105.66	9.84	95.82	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		12.27	93.39	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	08/26/02		15.56	90.10	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	11/27/02		19.23	86.43	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/27/03		13.20	92.46	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/28/03		11.39	94.27	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	08/11/03		14.60	91.06	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/20/03		15.95	89.71	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	03/12/04		8.01	97.65	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	05/01/04		9.89	95.77	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	07/09/04		12.00	93.66	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	11/19/04		12.51	93.15	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen
	02/18/05		7.31	98.35	<0.5	<0.5	<0.5	<0.5	<50	<0.5	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Old Redwood Highway
 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-18	08/20/98	108.35	15.11	93.24	<0.5	<0.5	<0.5	<0.5	250	<5.0	NA	No LPH or sheen
	11/18/98		18.44	89.91	<0.5	<0.5	<0.5	<0.5	<50	110	NA	No LPH or sheen
	02/15/99		12.96	95.39	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		13.57	94.78	<0.5	<0.5	<0.5	<0.5	<50	1,000	NA	No LPH or sheen
	09/08/99		17.74	90.61	<0.5	<0.5	<0.5	<0.5	<50	1,100	NA	No LPH or sheen
	11/24/99		18.40	89.95	<0.5	<0.5	<0.5	<0.5	2000	2,600	NA	No LPH or sheen
	03/15/00		11.15	97.20	<2.0	<2.0	<2.0	<2.0	<200	2,900	NA	No LPH or sheen
	11/27/00		18.42	89.93	<1.0	<1.0	<1.0	<1.0	<100	2,500	NA	No LPH or sheen
	02/13/01		14.89	93.46	<1.0	<1.0	<1.0	<1.0	<100	3,400	NA	No LPH or sheen
	06/14/01		16.51	91.84	<2.0	<2.0	<2.0	<2.0	<200	780	NA	No LPH or sheen
	08/28/01		19.65	88.70	<0.5	<0.5	<0.5	<0.5	<50	340	NA	No LPH or sheen
	11/26/01		20.09	88.26	<2.5	<2.5	<2.5	<2.5	<250	1,400	NA	No LPH or sheen
	03/07/02	113.98	12.65	101.33	<0.5	<0.5	<0.5	<0.5	<50	1,300	NA	No LPH or sheen
	06/10/02		15.27	98.71	<2.5	<2.5	<2.5	<2.5	<250	1,400	NA	No LPH or sheen
	08/26/02		18.31	95.67	<2.0	<2.0	<2.0	<2.0	<200	1,000	NA	No LPH or sheen
	11/27/02		21.13	92.85	<5.0	<5.0	<5.0	<5.0	<500	1,600	55 ^a	No LPH or sheen
	02/27/03		13.45	100.53	<2.0	<2.0	<2.0	<2.0	<200	690	27 ^a	No LPH or sheen
	05/28/03		13.81	100.17	<5.0	<5.0	<5.0	<5.0	<500	1,900	ND	No LPH or sheen
	08/11/03		17.02	96.96	<2.5	<2.5	<2.5	<2.5	<250	1,200	ND	No LPH or sheen
	11/20/03		19.11	94.87	<5.0	<5.0	<5.0	<5.0	<500	2,400	ND	No LPH or sheen
	03/12/04		11.64	102.34	<2.0	<2.0	<2.0	<2.0	<200	990	ND	No LPH or sheen
	05/01/04		13.72	100.26	<1.5	<1.5	<1.5	<1.5	<200	910	ND	No LPH or sheen
	07/09/04		15.44	98.54	<2.0	<2.0	<2.0	<2.0	<200	800	ND	No LPH or sheen
	11/19/04		15.47	98.51	<0.5	<0.5	<0.5	<0.5	<50	1,200	0.54 ^c	No LPH or sheen
	02/18/05		11.46	102.52	<0.5	3.9	<0.5	<0.5	<50	350	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Old Redwood Highway
 Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-19	08/20/98	106.43	11.74	94.69	NA	NA	NA	NA	NA	NA	NA	Laboratory error
	11/18/98		14.64	91.79	<50	<50	<50	<50	<5,000	26,000	NA	No LPH or sheen
	02/15/99		10.94	95.49	<0.5	<0.5	<0.5	<0.5	<50	360	NA	No LPH or sheen
	05/19/99		10.79	95.64	<0.5	<0.5	<0.5	<0.5	<50	9,300	NA	No LPH or sheen
	09/08/99		17.20	89.23	<0.5	<0.5	<0.5	<0.5	<50	3,100	NA	No LPH or sheen
	11/24/99		14.84	91.59	<10	<10	<10	<10	2,800	4,100	NA	No LPH or sheen
	03/15/00		8.40	98.03	<50	<50	<50	<50	<5,000	48,000	NA	No LPH or sheen
	11/27/00		15.65	90.78	<2.0	<2.0	<2.0	<2.0	<200	1,800	NA	Laboratory error
	02/13/01		12.24	94.19	<1.0	<1.0	<1.0	<1.0	<100	450	NA	Laboratory error
	06/14/01		13.07	93.36	<0.5	<0.5	<0.5	<0.5	<50	220	NA	No LPH or sheen
	08/28/01		15.90	90.53	<0.5	<0.5	<0.5	<0.5	<50	160	NA	No LPH or sheen
	11/26/01		16.01	90.42	<1.0	<1.0	<1.0	<1.0	<100	480	NA	No LPH or sheen
	03/07/02	108.49	9.39	99.10	<10	<10	<10	<10	<1,000	3,500	NA	No LPH or sheen
	06/10/02		12.55	95.94	<1.0	<1.0	<1.0	<1.0	<100	490	NA	No LPH or sheen
	08/26/02		16.11	92.38	<0.5	<0.5	<0.5	<0.5	<50	240	NA	No LPH or sheen
	11/27/02		17.50	90.99	<0.5	<0.5	<0.5	<0.5	<50	360	ND	No LPH or sheen
	02/27/03		10.54	97.95	<0.5	<0.5	<0.5	<0.5	<50	99	ND	No LPH or sheen
	05/28/03		11.35	97.14	<0.5	<0.5	<0.5	<0.5	<50	65	ND	No LPH or sheen
	08/11/03		13.46	95.03	<0.5	<0.5	<0.5	<0.5	<50	77	ND	No LPH or sheen
	11/20/03		16.52	91.97	<0.5	<0.5	<0.5	<0.5	<50	77	ND	No LPH or sheen
	03/12/04		8.87	99.62	<0.5	<0.5	<0.5	<0.5	<50	250	11 ^a	No LPH or sheen
	05/01/04		10.77	92.72	<0.5	<0.5	<0.5	<0.5	<50	92	ND	No LPH or sheen
	07/09/04		11.98	96.51	<0.5	<0.5	<0.5	<0.5	<50	210	ND	No LPH or sheen
	11/19/04		12.62	95.87	<0.5	<0.5	<0.5	<0.5	<50	78	ND	No LPH or sheen
	02/18/05		9.41	99.08	<0.5	<0.5	<0.5	<0.5	<50	170	ND	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
MW-20	08/20/98	105.91	11.69	94.22	<0.5	<0.5	<0.5	<0.5	250	<5.0	NA	No LPH or sheen
	11/18/98		14.64	91.27	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	02/15/99		10.31	95.60	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		10.06	95.85	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	09/08/99		13.93	91.98	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/24/99		15.09	90.82	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	03/15/00		8.01	97.90	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		15.80	90.11	<0.5	<0.5	<0.5	<0.5	<50	1.6	NA	No LPH or sheen
	02/13/01		12.93	92.98	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	No LPH or sheen
	06/14/01		13.71	92.20	<0.5	<0.5	<0.5	<0.5	<50	1.1	NA	No LPH or sheen
	08/28/01		16.08	89.83	<0.5	<0.5	<0.5	<0.5	<50	2.3	NA	No LPH or sheen
	11/26/01		16.52	89.39	<0.5	<0.5	<0.5	<0.5	<50	1.6	NA	No LPH or sheen
	03/07/02	108.01	9.85	98.16	<0.5	<0.5	<0.5	<0.5	<50	1.0	NA	No LPH or sheen
	06/10/02		12.52	95.49	<0.5	<0.5	<0.5	<0.5	<50	1.8	NA	No LPH or sheen
	08/26/02		15.75	92.26	<0.5	<0.5	<0.5	<0.5	<50	1.3	NA	No LPH or sheen
	11/27/02		17.24	90.77	<0.5	<0.5	<0.5	<0.5	<50	1.2	ND	No LPH or sheen
	02/27/03		10.85	97.16	<0.5	<0.5	<0.5	<0.5	<50	1.2	ND	No LPH or sheen
	05/28/03		10.43	97.58	<0.5	<0.5	<0.5	<0.5	<50	1.6	ND	No LPH or sheen
	08/11/03		12.94	95.07	<0.5	<0.5	<0.5	<0.5	<50	1.4	ND	No LPH or sheen
	11/20/03		16.58	91.43	<0.5	<0.5	<0.5	<0.5	<50	1.1	ND	No LPH or sheen
	03/12/04		8.35	99.66	<0.5	<0.5	1.6	1.1	170	1.4	ND	No LPH or sheen
	05/01/04		10.36	97.65	<0.5	<0.5	1.4	1.0	150	1.5	ND	No LPH or sheen
	07/09/04		11.66	96.35	<0.5	<0.5	1.3	0.62	150	1.2	ND	No LPH or sheen
	11/19/04		12.03	95.98	<0.5	<0.5	0.53	<0.5	78	1.2	ND	No LPH or sheen
	02/18/05		8.30	99.71	<0.5	<0.5	<0.5	<0.5	<50	0.95	ND	No LPH or sheen

TABLE 1

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7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-1	08/20/98	105.17	13.43	91.74	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/18/98		16.68	88.49	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/15/99		13.17	92.00	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	05/19/99		12.89	92.28	NS	NS	NS	NS	NS	NS	NS	Not sampled
	09/08/99		16.01	89.16	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/24/99		17.14	88.03	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/15/00		8.81	96.36	<0.5	<0.5	<0.5	<0.5	<50	<5.0	NA	No LPH or sheen
	11/27/00		17.21	87.96	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/13/01		16.20	88.97	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/14/01		17.17	88.00	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/28/01		19.51	85.66	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/26/01		19.92	85.25	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/07/02	107.35	11.03	96.32	<0.5	<0.5	<0.5	<0.5	<50	<0.5	NA	No LPH or sheen
	06/10/02		13.98	93.37	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/26/02		16.90	90.45	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/27/02		18.42	88.93	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/27/03		12.50	94.85	<0.5	<0.5	<0.5	<0.5	<50	<0.5	3.8 ^b	No LPH or sheen
	05/28/03		12.10	95.25	NS	NS	NS	NS	NS	NS	NS	Not sampled
	08/11/03		14.21	93.14	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/20/03		17.80	89.55	NS	NS	NS	NS	NS	NS	NS	Not sampled
	03/12/04		8.82	98.53	<0.5	<0.5	<0.5	<0.5	<50	<0.5	7.9 ^b	No LPH or sheen
	05/01/04		10.70	96.65	NS	NS	NS	NS	NS	NS	NS	Not sampled
	07/09/04		13.05	94.30	NS	NS	NS	NS	NS	NS	NS	Not sampled
	11/19/04		13.62	93.72	NS	NS	NS	NS	NS	NS	NS	Not sampled
	02/18/05		8.45	98.90	<0.5	<0.5	<0.5	<0.5	<50	<0.5	8.6 ^b	No LPH or sheen

TABLE 1

GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-2	08/20/98	105.22	14.34	90.88	47	3.5	12	27	310	480	NA	No LPH or sheen
	11/18/98		65.31	39.91	660	77	210	860	4900	1,100	NA	No LPH or sheen
	02/15/99		65.51	39.71	<0.5	<0.5	<0.5	0.65	<50	510	NA	No LPH or sheen
	05/19/99		12.55	92.67	200	10	2.9	130	2900	4,500	NA	No LPH or sheen
	09/08/99		25.41	79.81	680	70	24	460	3100	980	NA	No LPH or sheen
	11/24/99		25.45	79.77	660	27	12	220	3500	1,000	NA	No LPH or sheen
	03/15/00		23.84	81.38	120	45	12	360	3,500	890	NA	No LPH or sheen
	11/27/00		30.56	74.66	3.6	<1.0	<1.0	2.3	<100	640	NA	No LPH or sheen
	02/13/01		30.68	74.54	<2.0	<2.0	<2.0	2.6	<200	510	NA	No LPH or sheen
	06/14/01		33.60	71.62	19	0.73	<0.5	3.7	61	220	NA	No LPH or sheen
	08/28/01		34.70	70.52	15	0.5	<0.5	1.7	<50	240	NA	No LPH or sheen
	11/26/01		34.10	71.12	12	<1.0	<1.0	<1.0	<100	320	NA	No LPH or sheen
	03/07/02	107.81	35.10	72.71	22	<1.0	1.3	2.6	130	560	NA	No LPH or sheen
	06/10/02		23.90	83.91	91	9.9	<1.0	160	760	330	NA	No LPH or sheen
	08/26/02		15.10	92.71	<20	<20	<20	<20	<2,000	12,000	NA	No LPH or sheen
	11/27/02		35.10	72.71	14	<2.0	<2.0	<2.0	<200	730	67 ^a	No LPH or sheen
	02/27/03		29.90	77.91	<1.5	<1.5	<1.5	47	380	610	69 ^a	No LPH or sheen
	05/28/03		26.10	81.71	270	16	7.9	110	2,000	510	92 ^a	No LPH or sheen
	08/11/03		30.31	77.50	3.3	<1.0	<1.0	4.4	<100	340	33 ^a	No LPH or sheen
	11/20/03		27.30	80.51	1.5	<0.5	<0.5	<0.5	<50	330	17 ^a	No LPH or sheen
	03/12/04		15.59	92.22	58	2.8	<0.5	17	400	380	46 ^a	No LPH or sheen
	05/01/04		14.30	93.51	<0.5	<0.5	<0.5	<0.5	<50	320	49 ^a	No LPH or sheen
	07/09/04		20.44	87.37	83	3.3	1.1	28	410	400	42 ^a	No LPH or sheen
	11/19/04		15.67	92.14	<0.5	<0.5	<0.5	<0.5	<50	180	8.2 ^a	No LPH or sheen
	02/18/05		10.23	97.58	<0.5	<0.5	<0.5	<0.5	<50	24	ND	No LPH or sheen

TABLE 1
GROUND WATER MONITORING DATA
Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

Monitoring Well	Date Measured	Reference Elevation (ft)	Depth to Ground Water (ft)	Ground Water Elevation (ft)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	TPH as gasoline (µg/L)	MTBE (µg/L)	Oxygenates (µg/L)	Comments
RW-3A	08/20/98	105.72	11.68	94.04	<50	<50	<50	<50	<5,000	17,000	NA	No LPH or sheen
	11/18/98		38.01	67.71	220	120	240	1,100	7400	22,000	NA	No LPH or sheen
	02/15/99		37.80	67.92	80	<25	<25	280	<2,500	30,000	NA	No LPH or sheen
	05/19/99		39.35	66.37	<5.0	<5.0	<5.0	<5.0	<500	30,000	NA	No LPH or sheen
	09/08/99		31.40	74.32	380	31	150	810	5300	39,000	NA	No LPH or sheen
	11/24/99		24.55	81.17	280	14	110	450	18000	24,000	NA	No LPH or sheen
	03/15/00		21.80	83.92	140	30	99	890	6,700	17,000	NA	No LPH or sheen
	11/27/00		29.80	75.92	83	<50	<50	<50	<5,000	23,000	NA	No LPH or sheen
	02/13/01		31.06	74.66	71	<20	32	200	<2,000	16,000	NA	No LPH or sheen
	06/14/01		26.90	78.82	79	<25	42	150	<5,000	12,000	NA	No LPH or sheen
	08/28/01		28.71	77.01	150	<25	73	110	<5,000	18,000	NA	No LPH or sheen
	11/26/01		35.60	70.12	39	<25	<25	<25	<5,000	12,000	NA	No LPH or sheen
	03/07/02	108.68	33.91	74.77	87	<50	<50	84	<5,000	28,000	NA	No LPH or sheen
	06/10/02		33.10	75.58	110	<50	<50	88	<5,000	16,000	NA	No LPH or sheen
	08/26/02		31.06	77.62	34	<25	<25	<25	<2,500	17,000	NA	No LPH or sheen
	11/27/02		34.10	74.58	<50	<50	<50	<50	<5,000	20,000	2,800 ^a	No LPH or sheen
	02/27/03		35.36	73.32	100	<25	30	72	<2,500	9,800	2,300 ^a	No LPH or sheen
	05/28/03		36.10	72.58	110	<20	26	35	2,100	7,100	2,200 ^a	No LPH or sheen
	08/11/03		34.60	74.08	35	<10	<10	16	1,200	4,300	3,200 ^a	No LPH or sheen
	11/20/03		35.93	72.75	20	<5.0	<5.0	<5.0	700	3,200	3,400 ^a	No LPH or sheen
	03/12/04		21.56	87.12	40	3.5	7.0	43	920	2,800	2,600 ^a , 1.4 ^c	No LPH or sheen
	05/01/04		23.46	85.22	40	<5.0	<5.0	20	650	2,300	3,100 ^a	No LPH or sheen
	07/09/04		25.13	83.55	38	<5.0	<5.0	13	760	1,300	3,200 ^a	No LPH or sheen
	11/19/04		35.14	73.54	18	0.91	1.7	5.4	630	390	2,900 ^a	No LPH or sheen
	02/18/05		22.34	86.34	74	4.3	9.7	32	1,100	410	2,500 ^a	No LPH or sheen

Reference Elevation = Reference elevation mean sea level.

TPH = Total petroleum hydrocarbons.

MTBE = Methyl tertiary butyl ether.

LPH = Liquid-phase petroleum hydrocarbons.

µg/L = Micrograms per liter.

NA = Not analyzed.

NS = Not sampled.

a = tert-butanol

b = diisopropyl ether

c = Tert-amyl methyl ether

Table 2
 Ground Water System Performance Data Sheet
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Redwood Highway
 Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
10/5/2000	1,681,191	0	Influent	140	<20	44	210	<2,000	NA	NA	NA	NA
			Effluent	3.5	0.52	<0.5	1.7	<50	NA	<20	<5.0	63
10/16/2000	1,684,990	3,799	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/4/2000	1,689,910	4,920	Influent	14	<10	<10	12	<1,000	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<1.0	<100	NA	<20	<5.0	<50
11/16/2000	1,694,820	4,910	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/5/2000	1,703,710	8,890	Influent	60	<10	13	100	1,500	NA	NA	NA	NA
			Effluent	0.77	<0.5	<0.5	0.77	<50	NA	<20	<5.0	<50
12/19/2000	1,709,840	6,130	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1/4/2001	1,717,660	7,820	Influent	45	11	<10	37	<1,000	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<1.0	<100	NA	<20	<5.0	<50
1/29/2001	1,730,800	13,140	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
2/8/2001	1,737,700	6,900	Influent	73	<10	25	140	1,800	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<2.0	<100	NA	<20	<5.0	<50
2/21/2001	1,747,270	9,570	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
3/6/2001	1,760,200	12,930	Influent	25	<10	<10	100	2,100	NA	NA	NA	NA
			Effluent	1.2	<1.0	<1.0	3.9	<100	NA	<20	<5.0	27
3/17/2001	1,772,190	11,990	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
4/7/2001	1,790,740	18,550	Influent	26	<1.0	1.9	14	190	NA	NA	NA	NA
			Effluent	<1.0	<1.0	<1.0	<1.0	<100	NA	<20	<5.0	<50
4/18/2001	1,798,540	7,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
5/13/2001	1,815,100	16,560	Influent	<2.0	<2.0	<2.0	4.7	<200	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
5/22/2001	1,820,750	5,650	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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 Ground Water System Performance Data Sheet
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 Former Beacon Station No. 3700
 7898 Redwood Highway
 Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
6/4/2001	1,828,240	7,490	Influent	50	<20	<20	52	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
6/15/2001	1,834,470	6,230	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
7/2/2001	1,843,090	8,620	Influent	<0.5	<0.5	<0.5	<0.5	<50	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	250
7/22/2001	1,851,450	8,360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
8/10/2001	1,858,200	6,750	Influent	11	<0.5	<0.5	7.2	<500	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	34	<5.0	<50
8/24/2001	1,862,940	4,740	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
9/1/2001	1,865,600	2,660	Influent	12	0.79	0.86	2.6	180	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	70
9/29/2001	1,874,280	8,680	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/5/2001	1,875,950	1,670	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/24/2001	1,880,160	4,210	Influent	<2.0	<2.0	<2.0	<2.0	<200	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
11/1/2001	1,881,160	1,000	Influent	13	<2.5	4.9	4	<250	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<20
11/16/2001	1,882,110	950	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/15/2001	1,883,160	1,050	Influent	26	<10	<10	58	<1,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<20
12/26/2001	1,886,480	3,320	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/08/02	1,898,690	12,210	Influent	20	<5.0	<5.0	38	840	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<50
01/24/02	1,916,130	17,440	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/11/02	1,929,910	13,780	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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 Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
02/17/02	1,934,440	4,530	Influent	<20	<20	<20	<20	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<50	<50	NA	<20	<5.0	<50
03/03/02	1,942,660	8,220	Influent	<25	<25	<25	<25	<2,500	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<20	<5.0	<20
03/15/02	1,948,210	5,550	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/05/02	1,963,310	15,100	Influent	<20	<20	<20	<20	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	NR	NR	NR
04/19/02	1,967,670	4,360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/03/02	1,969,670	2,000	Influent	<1.0	<1.0	<1.0	<1.0	<100	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	32.8	<10	37.2
05/31/02	1,981,370	11,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/13/02	1,991,860	10,490	Influent	96	<5.0	<5.0	78	770	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	10.3	<5.0	27.1
06/27/02	1,992,987	1,127	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/01/02	1,996,480	3,493	Influent	<5.0	<5.0	<5.0	<5.0	<500	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	<5.0	<5.0	18.1
07/24/02	2,000,840	4,360	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/12/02	2,001,070	230	Influent	13	<10	<10	12	<1,000	16,000	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0	<10	10.6
08/26/02	2,001,070	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/13/02	2,001,070	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/30/02	2,001,265	195	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/14/02	2,003,260	1,995	Influent	<20	<20	<20	<20	<2,000	NA	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	NA	9.53	<10	69.7
10/30/02	2,006,340	3,080	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

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Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
11/17/02	2,010,780	4,440	Influent	<10	<10	<10	<10	<1,000	5,500	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	4.1	<5.0	<10	32.1
11/25/02	2,012,700	1,920	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/05/02	2,013,480	780	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/26/02	2,021,480	8,000	Influent	65	<25	<25	51	<2,500	11,000	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.4	<5.0	<10	21.8
01/20/03	2,045,230	23,750	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/31/03	2,057,600	12,370	Influent	53	4.9	20	70	1,500	6,600	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.98	<5.0	<10	<10
02/11/03	2,069,230	11,630	Influent	47	<10	15	40	<1,000	5,300	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<5.0	<5.0	<10	<10
02/22/03	2,081,120	11,890	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/01/03	2,088,990	7,870	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/30/03	2,119,590	30,600	Influent	95	<10	18	55	<1,000	4,900	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	9.9	<5.0	<10	<10
04/16/03	2,132,040	12,450	Influent	120	<20	<20	58	<2,000	5,000	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	7.4	<5.0	<10	20.6
04/28/03	2,132,940	900	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/17/03	2,132,940	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
			Influent	<0.5	<0.5	<0.5	52	1,000	2,900	NA	NA	NA
05/28/03	2,132,940	0	Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.9	6.08	<10	43.8
			Influent	<0.5	<0.5	<0.5	<0.5	<50	3.7	<5.0	<10	55.8
06/01/03	0	0	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/10/03	11,180	11,180	Influent	170	7.4	13	48	780	730	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<0.5	86	3.7	<5.0	<10

Table 2
 Ground Water System Performance Data Sheet
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Redwood Highway
 Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
06/24/03	22,940	11,760	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/11/03	41,750	18,810	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/18/03	47,810	6,060	Influent	25	<10	<10	<10	<1,000	3,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.0	<5.0	<10	71.6
08/01/03	58,510	58,510	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/17/03	69,080	10,570	Influent	3.8	<0.5	<0.5	0.93	<50	360	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.8	<5.0	<10	20
09/06/03	77,732	8,652	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/19/03	87,640	9,908	Influent	1.7	<0.5	<0.5	1.5	240	3,600	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	4.2	<5.0	<10	21.5
10/18/03	100,420	12,780	Influent	5.3	<5.0	<5.0	<5.0	<500	2,400	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	2.6	7.78	<10	34.2
10/25/03	103,030	2,610	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/16/03	104,830	1,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/30/03	105,440	610	Influent	28	<2.5	<2.5	<2.5	390	1,900	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	39.2
12/09/03	105,480	40	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/19/03	109,610	4,130	Influent	31	<5.0	<5.0	10	<500	1,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.8	5.68	<10	<10
01/21/04	134,700	25,090	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/30/04	142,060	7,360	Influent	28	<5.0	<5.0	20	720	2,300	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.93	<5.0	<10	14.9
02/10/04	150,590	8,530	Influent	6.4	<1.0	<1.0	2.1	100	510	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	13	<5.0	<10	42.4
02/18/04	151,450	860	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/12/04	162,720	11,270	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 2
 Ground Water System Performance Data Sheet
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Redwood Highway
 Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
03/25/04	173,868	23,278	Influent	15	<5.0	<5.0	15	630	1,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.5	5.7	<10	142
03/25/04	173,868	22,418	Influent	15	<5.0	<5.0	15	630	1,800	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	1.5	5.7	<10	142
04/21/04	188,333	14,465	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
04/29/04	191,520	3,187	Influent	25	<5.0	<5.0	19	1,000	2,200	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	214
05/10/04	197,427	5,907	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
05/25/04	202,441	5,014	Influent	16	<1.5	<1.5	3.3	480	360	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	126
06/14/04	213,108	10,667	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
06/22/04	217,726	4,618	Influent	22	<2.0	<2.0	7.7	630	1,200	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	37
07/01/04	222,469	4,743	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
07/28/04	231,777	9,308	Influent	5.5	<0.5	0.64	1.9	410	71	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	8.96	<10	321
08/04/04	234,314	2,537	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
08/30/04	234,510	196	Influent	12	<1.5	<1.5	2.2	320	780	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	31.6
09/11/04	234,990	480	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
09/20/04	236,353	1,363	Influent	4.9	<1.5	<1.5	4.2	400	720	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	28.10	15.1	5,270
10/13/04	236,360	7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
10/28/04	236,360	0	Influent	11	<1.5	<1.5	5.9	490	570	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	7.70	<10	1,650
11/11/04	237,224	864	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
11/22/04	237,530	306	Influent	9.0	<0.9	1.6	5.5	600	450	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	6.72	<10	624

Table 2
 Ground Water System Performance Data Sheet
 Tesoro Station No. 67062
 Former Beacon Station No. 3700
 7898 Redwood Highway
 Cotati, California

Site Visit (Date)	Totalizer	Change in Totalizer	Sample ID	Concentrations in Micrograms per liter (µg/L)								
				Benzene	Toluene	Ethyl - Benzene	Total Xylenes	TPHg ^a	MTBE ^b	Copper	Lead	Zinc
12/07/04	237,808	278	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
12/26/04	245,700	7,892	Influent	28	1.6	3.4	7.9	790	440	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	94.9
01/05/05	250,150	4,450	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
01/27/05	255,170	5,020	Influent	20	1.6	2.8	30	820	430	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	25.9
02/16/05	255,770	600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
02/27/05	260,010	4,240	Influent	56	3.8	7.2	23	980	440	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	<0.5	<5.0	<10	34.8
03/07/05	267,468	7,458	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
03/24/05	278,100	10,632	Influent	45	2.9	4.8	30	1,300	370	NA	NA	NA
			Effluent	<0.5	<0.5	<0.5	<0.5	<50	0.9	<5.0	<10	<10

Total = 2,411,040

Notes:

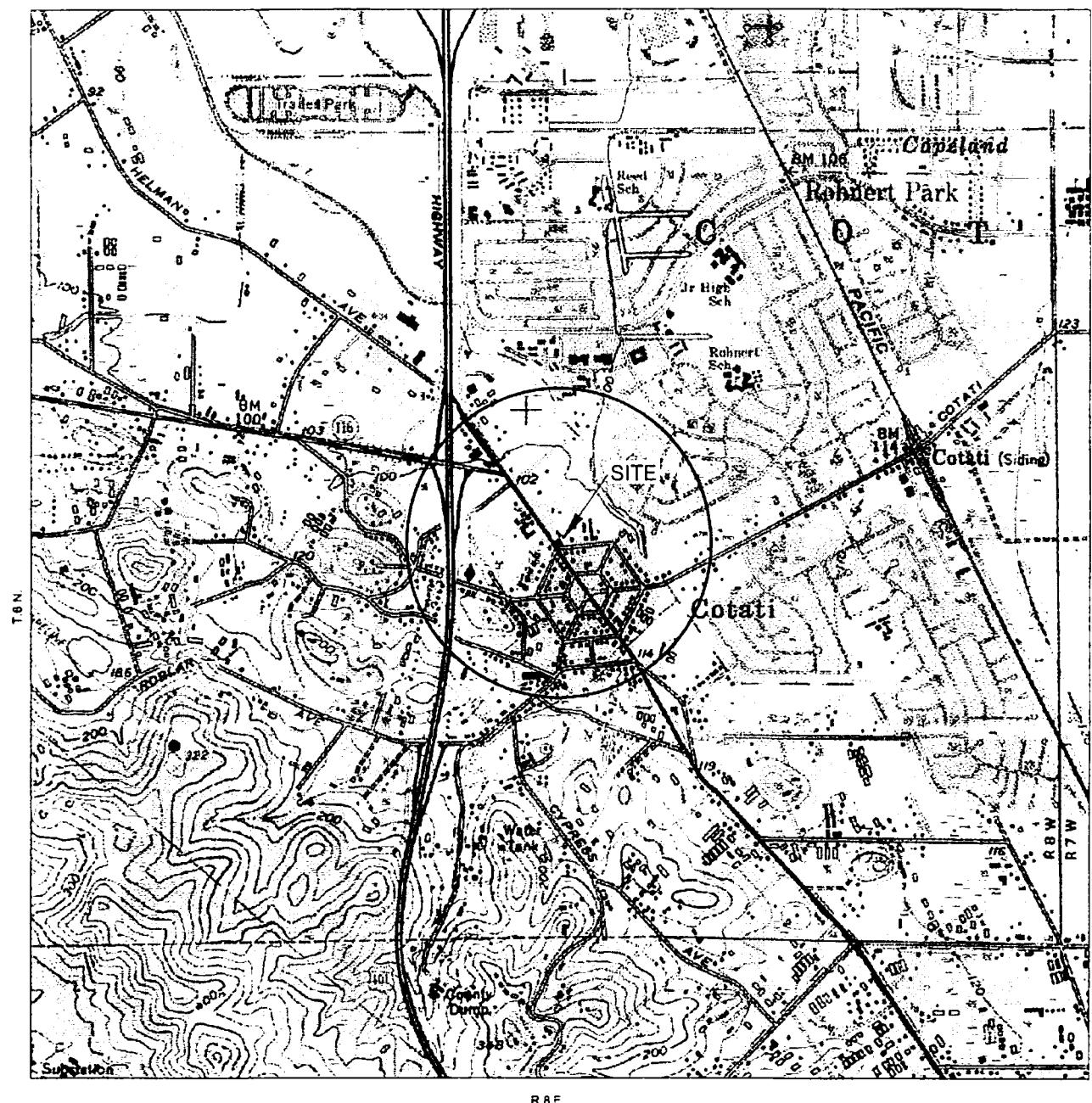
a) Total Petroleum Hydrocarbons as gasoline

b) Methyl-t-butyl ether

NS = Not Sampled

NA = Not Analyzed

NR = Not Reported



GENERAL NOTES:
 BASE MAP FROM U.S.G.S.
 COTATI, CA.
 7.5 MINUTE TOPOGRAPHIC
 PHOTOREVISED 1980



QUADRANGLE LOCATION

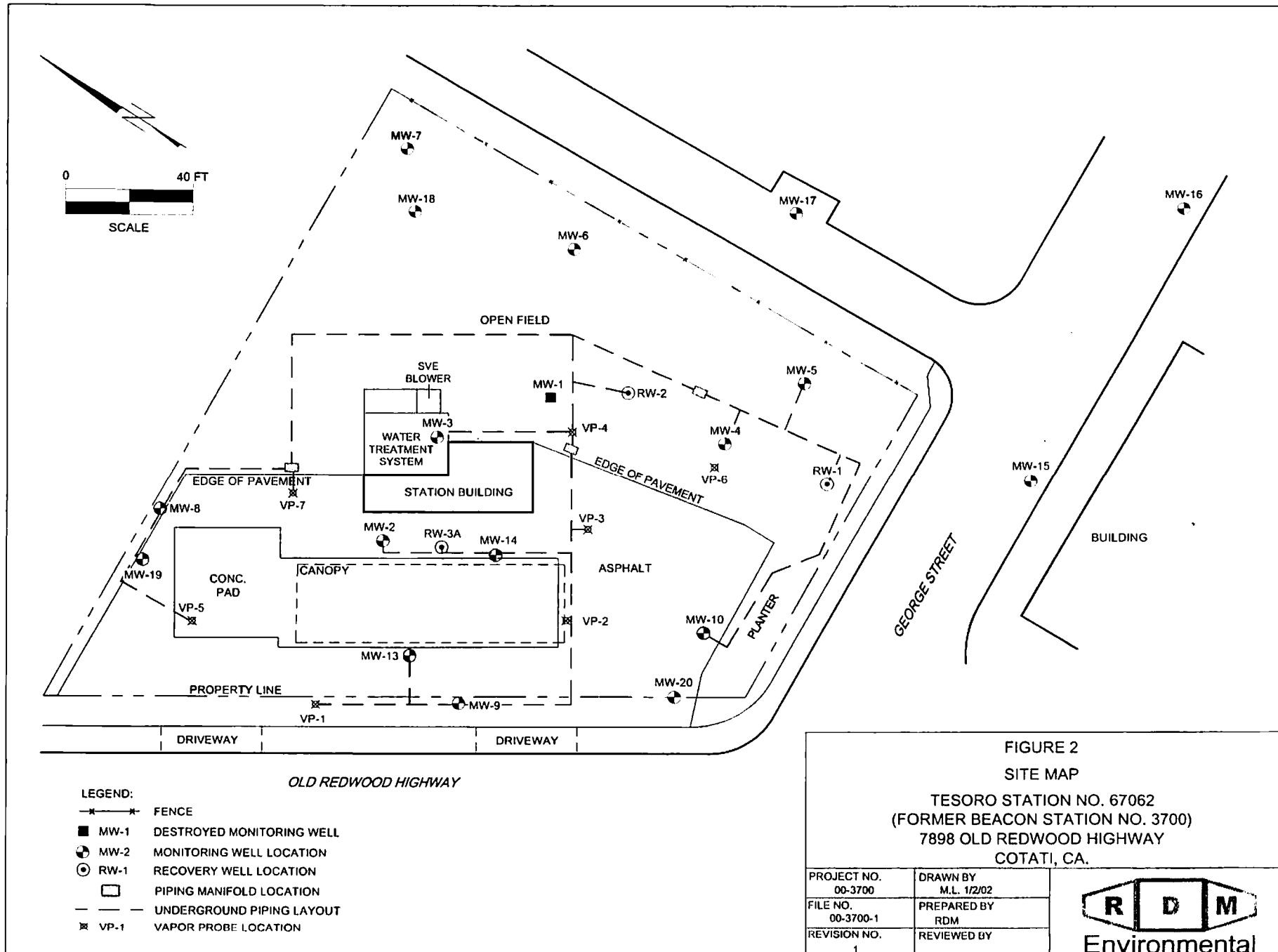
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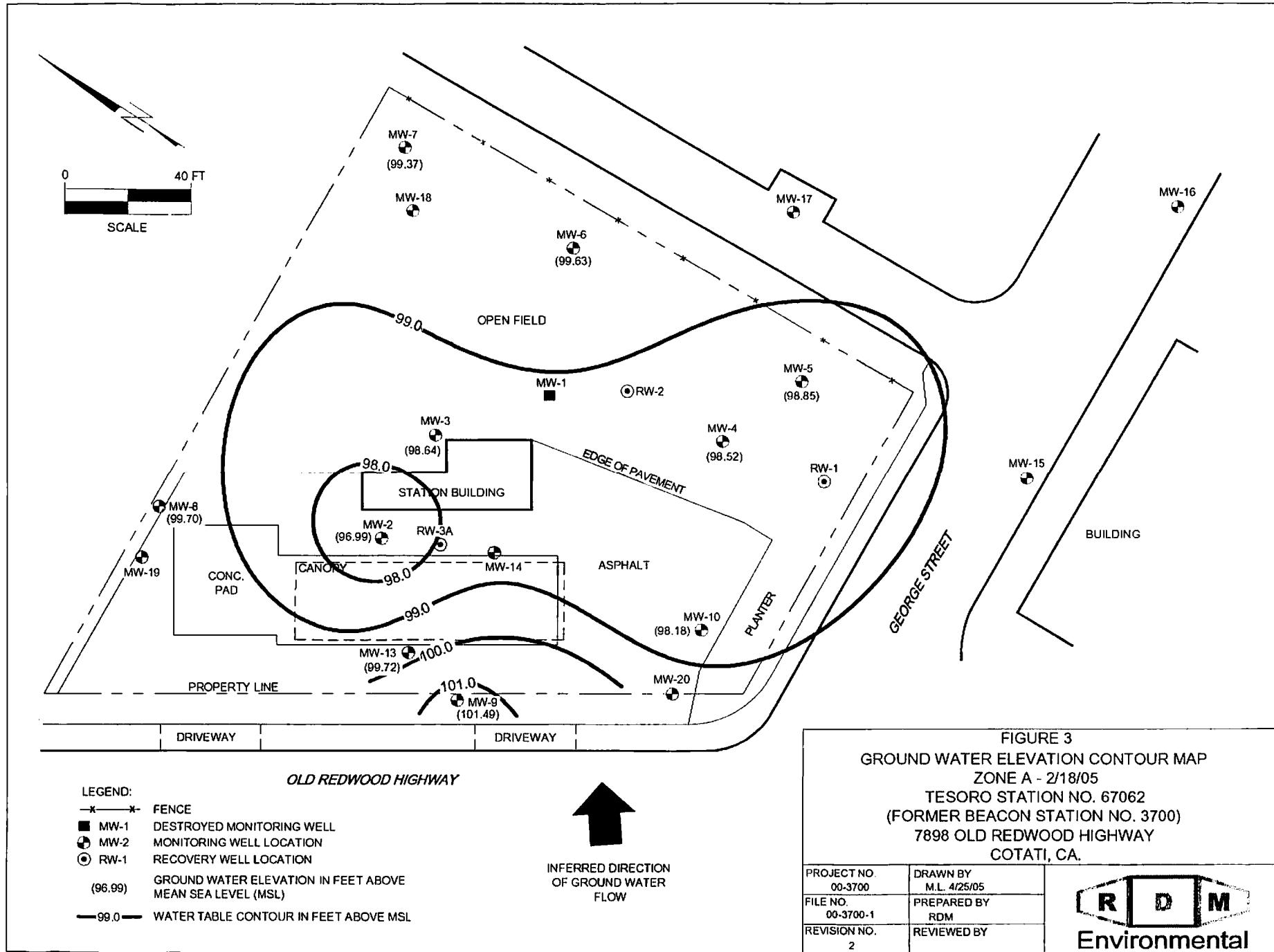
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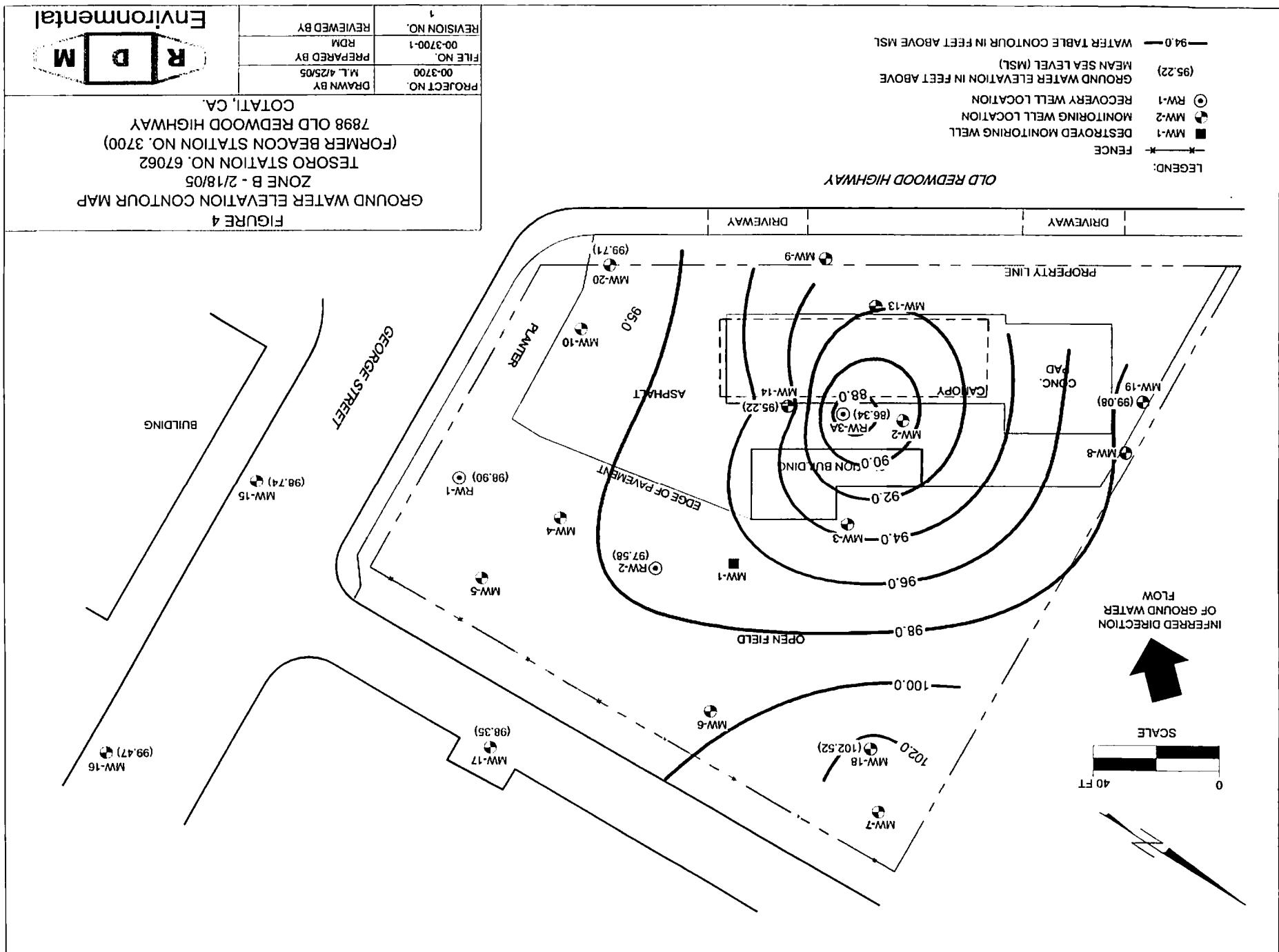
FIGURE 1
 SITE LOCATION MAP
 TESORO STATION NO. 67062
 (FORMER BEACON STATION NO. 3700)
 7898 OLD REDWOOD HIGHWAY
 COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 1/3/02	Environmental
FILE NO. 00-3700-001	PREPARED BY RDM	
REVISION NO. 1	REVIEWED BY	









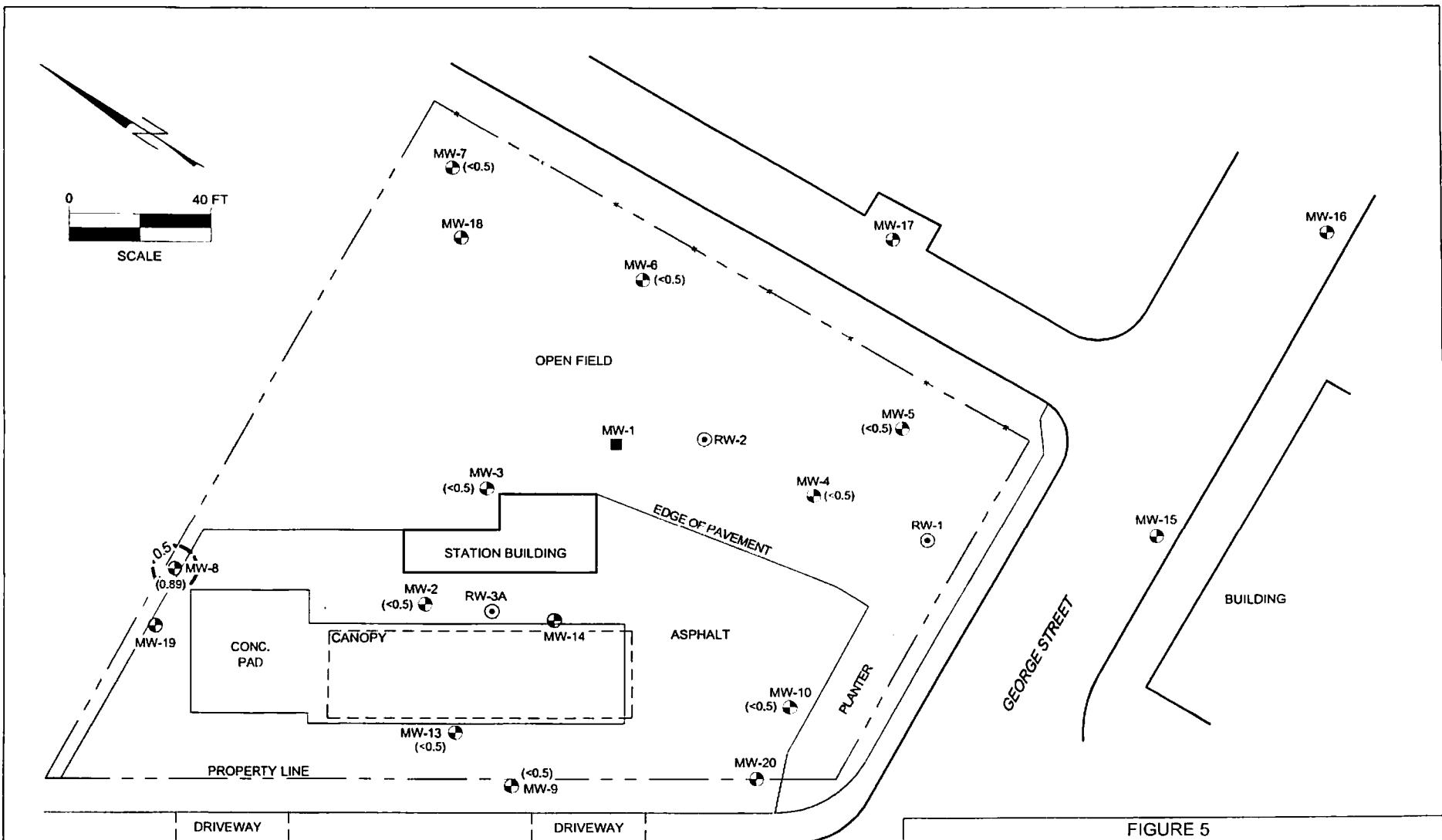
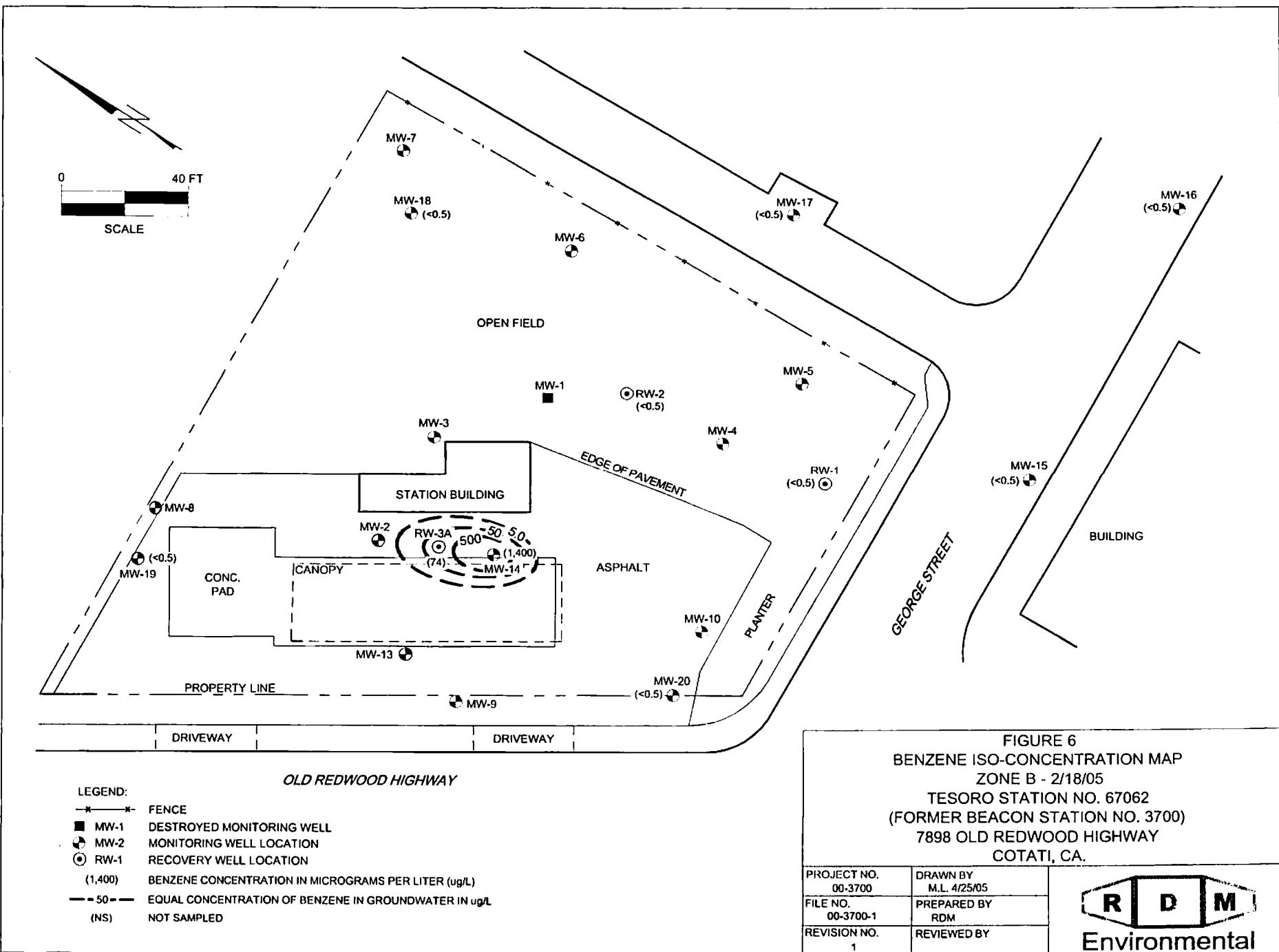


FIGURE 5
BENZENE ISO-CONCENTRATION MAP
ZONE A - 2/18/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 4/25/05	R D M
FILE NO. 00-3700-1	PREPARED BY RDM	
REVISION NO. 1	REVIEWED BY	

R D M
Environmental



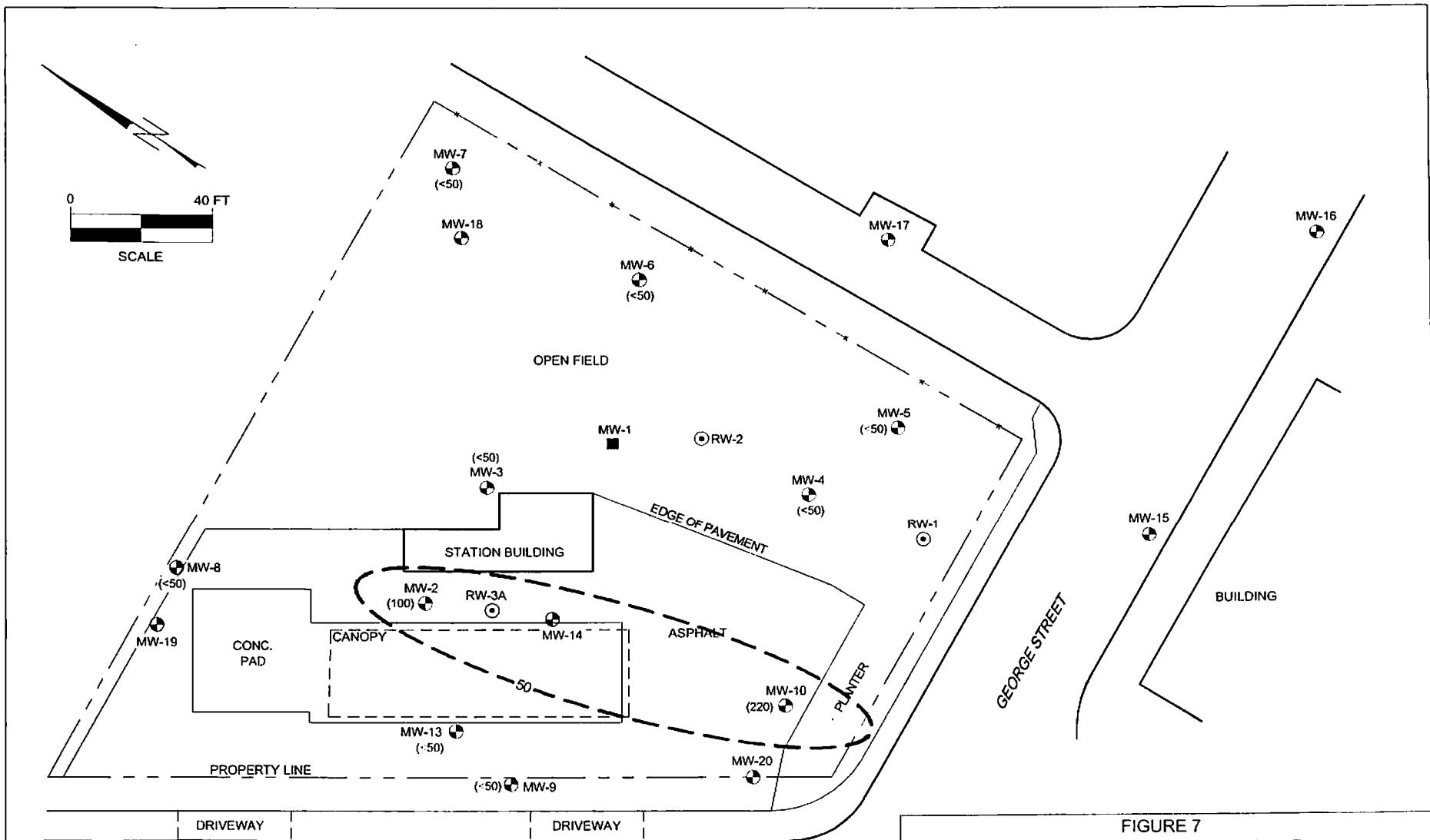
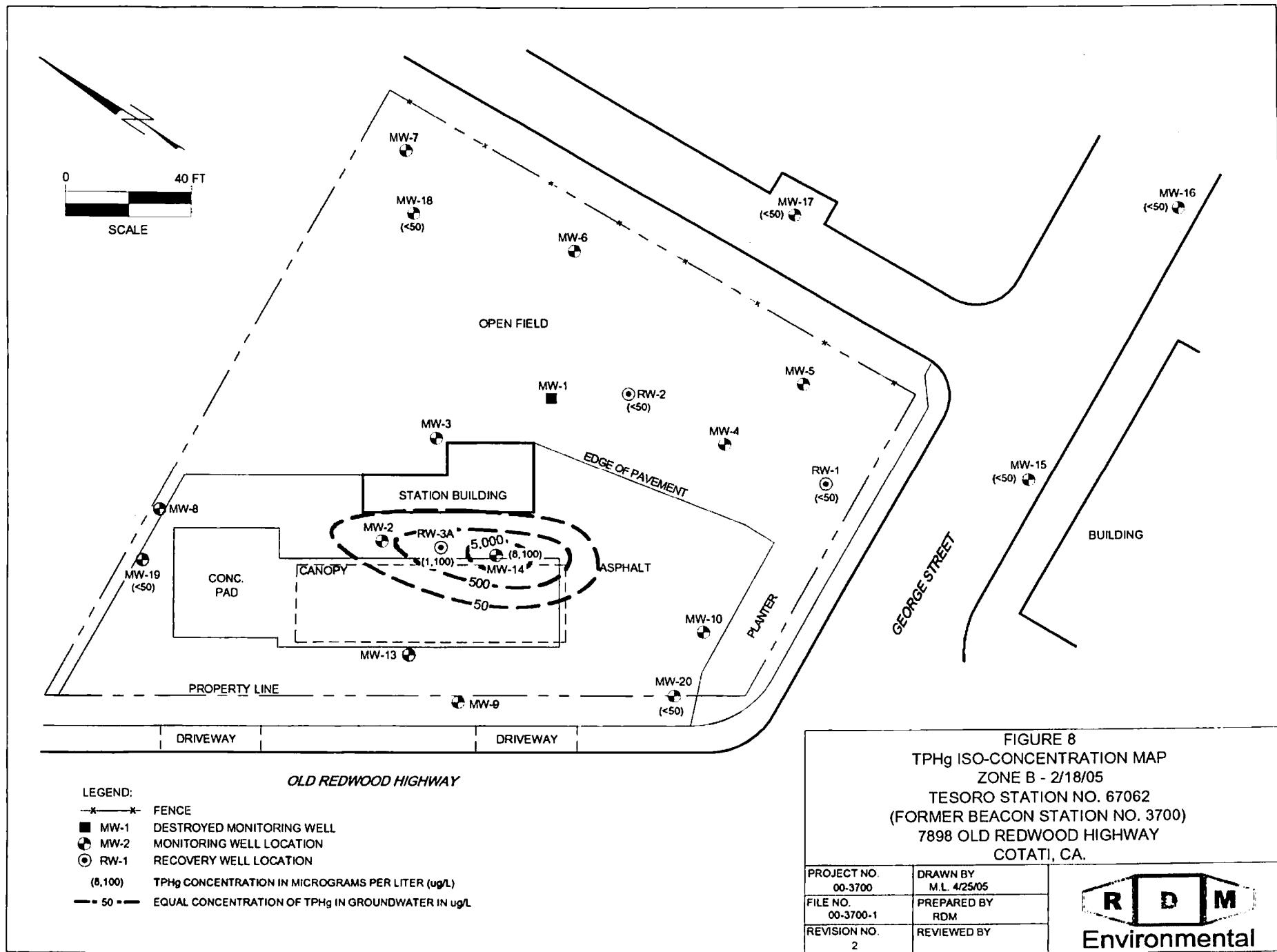
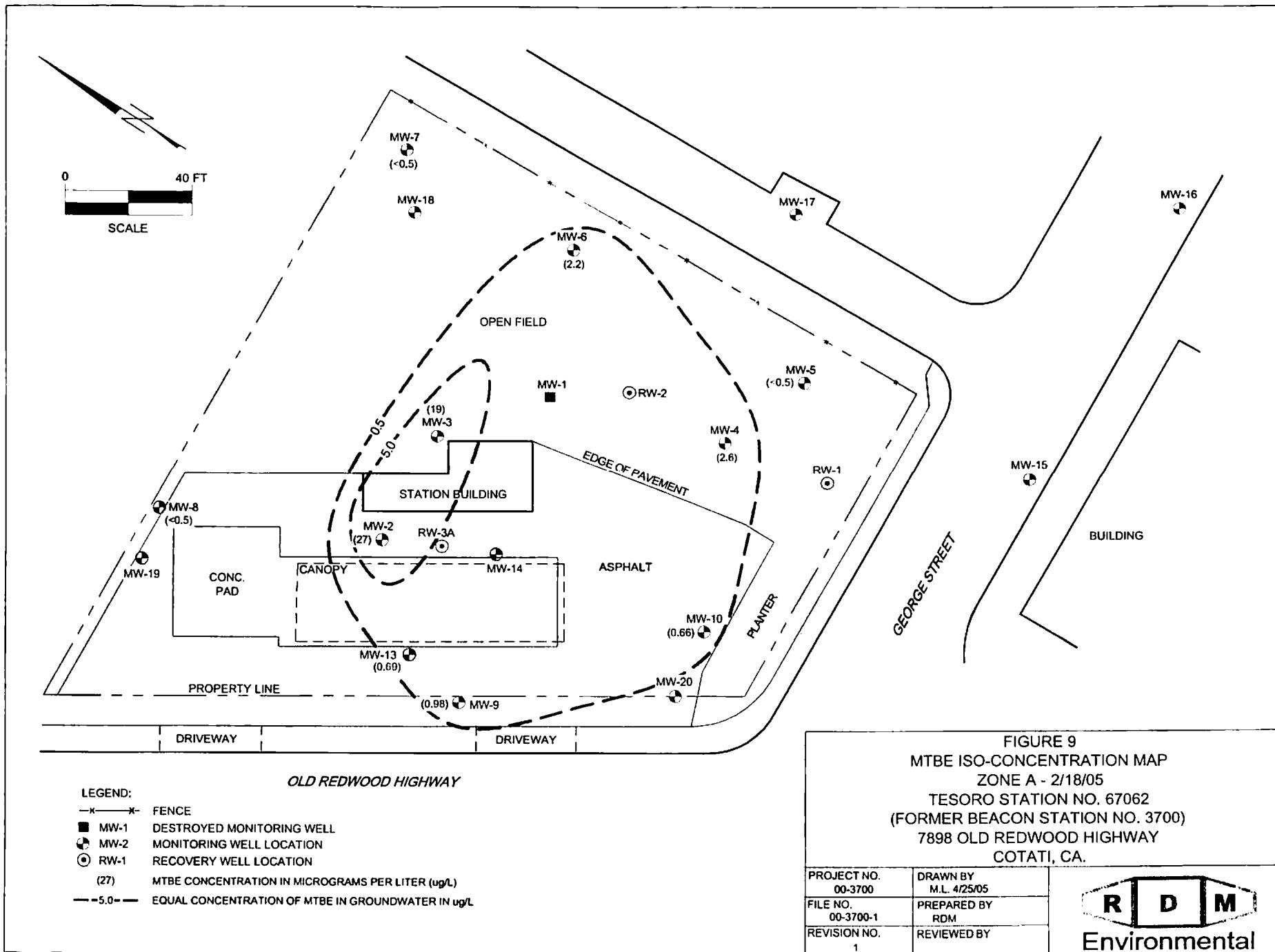


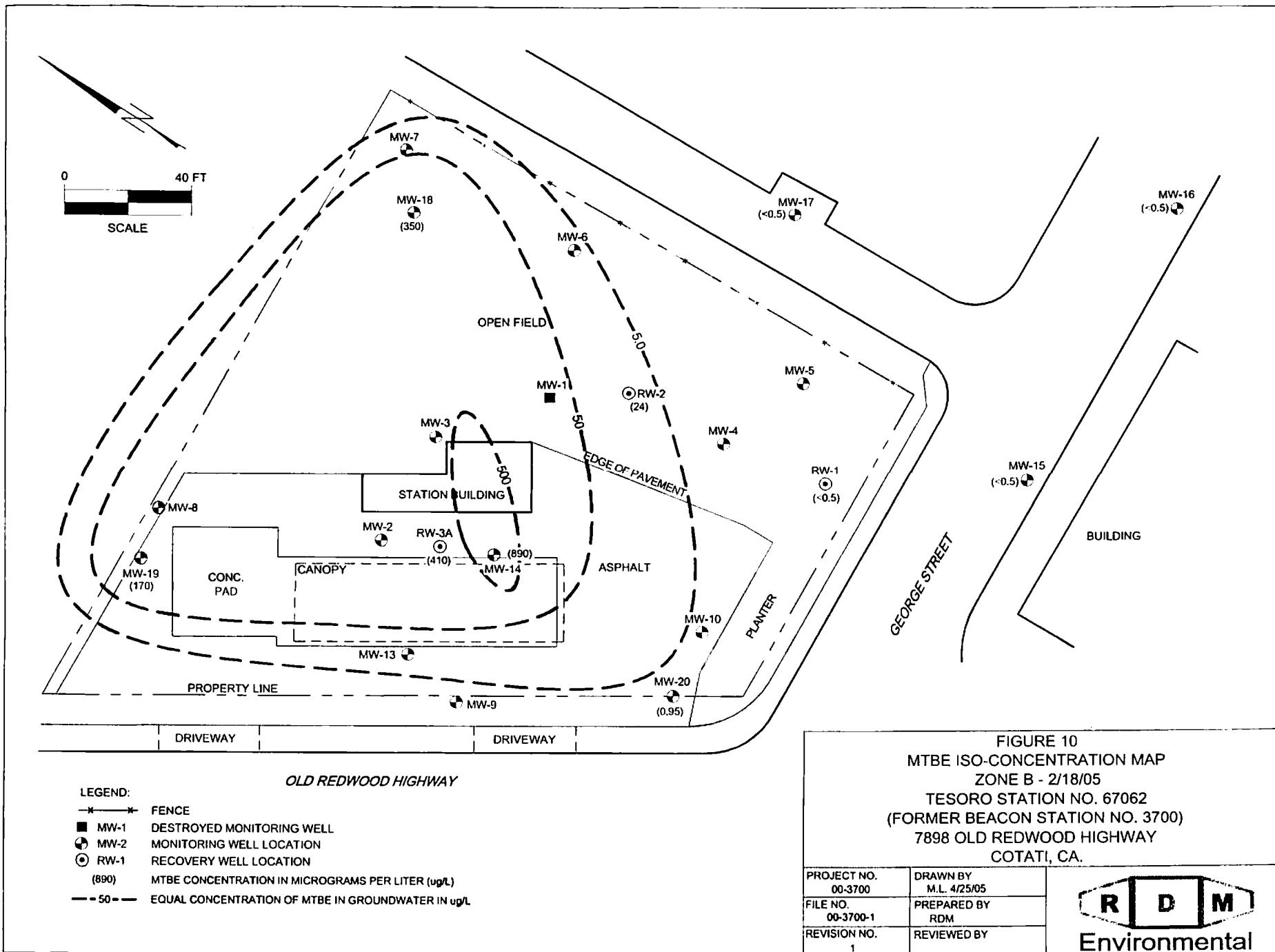
FIGURE 7
TPH_g ISO-CONCENTRATION MAP
ZONE A - 2/18/05
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

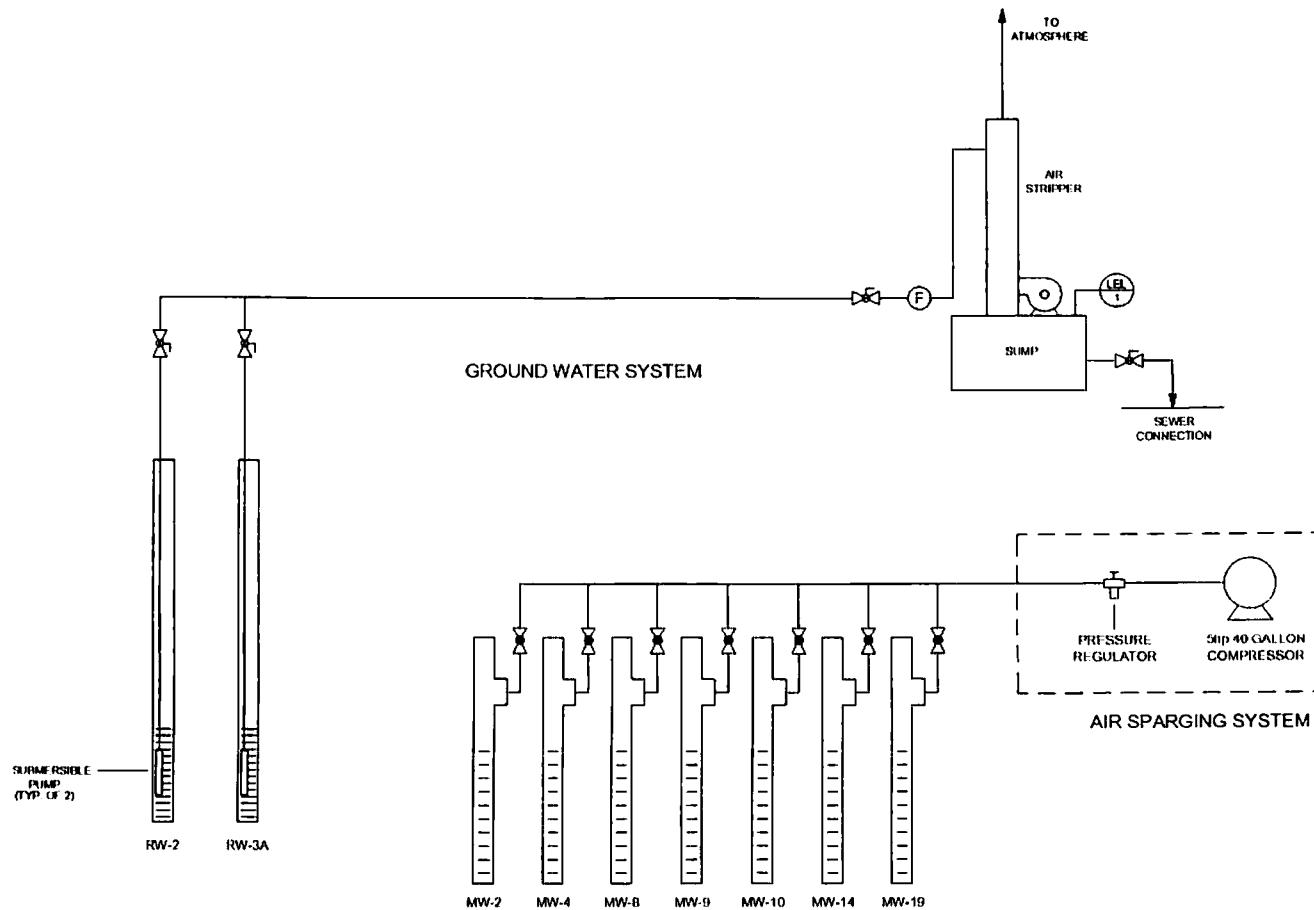
PROJECT NO. 00-3700	DRAWN BY M.L. 4/25/05
FILE NO. 00-3700-1	PREPARED BY RDM
REVISION NO. 1	REVIEWED BY











LEGEND	CONTROL UNIT	FUNCTION
(LS 1)	LEVEL SWITCH	
(BV)	BALL VALVE	
(F)	TOTALIZER FLOW METER	
(LEL 1)	LOWER EXPLOSIVE LIMIT METER/SWITCH	
(LS 1)	H	TRANSFER PUMP START
(LS 1)	L	TRANSFER PUMP STOP
(LS 2)	HII	SHUTS OFF SUBMERSIBLE PUMPS IN RW-2, & RW-3A ON HIGH WATER LEVEL IN HOLDING TANK
(LEL 1)	SHUTS ENTIRE GROUND WATER SYSTEM OFF IF PRESS. LIMIT IS EXCEEDED	

Note: Not To Scale

Source: Figure Modified From Drawing Provided Delta

FIGURE 11
PROCESS FLOW DIAGRAM
TESORO STATION NO. 67062
(FORMER BEACON STATION NO. 3700)
7898 OLD REDWOOD HIGHWAY
COTATI, CA.

PROJECT NO. 00-3700	DRAWN BY M.L. 5/25/01	R D M Environmental
FILE NO. 00-3700-4	PREPARED BY RDM	
REVISION NO. 1	REVIEWED BY	

ENCLOSURE A

Site Background Information

HISTORICAL BACKGROUND INFORMATION

Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

ULTRAMAR INC.

- July 1990 - Ultramar purchased the site from Conoco Inc. At the time of acquisition, sixteen monitoring/recovery wells were present at the site (RW-1, RW-2, RW-3, MW-2 through MW-10, and MW-13 through MW-17). Kayo Oil Company conducted initial environmental investigations in 1985 as a result of an apparent product line release.
- October 1986 - The single-walled tanks at the site were removed and replaced with double-walled fiberglass tanks. Soil samples from the overexcavated tank pit contained TPHg concentrations from 24 ppm to 5,400 ppm (benzene range: <1 ppm to 11 ppm). Further excavation could not be performed due to the proximity of the tank basin to the station building and canopy footings.
- Late 1990 - Ultramar performed a soil vapor survey and vapor extraction influence study to evaluate the feasibility of vapor extraction technology for the site. The investigation showed elevated vapor levels on the property with the highest levels adjacent to the former tank basin. A 75-foot radius of influence was calculated from the feasibility test data.
- Early 1991 - A groundwater remediation system was installed and was operating at the time of Ultramar's purchase of the property. Ultramar made modifications to the system in an effort to maximize groundwater drawdown.
- May 5, 1991 - Soil vapor extraction utilizing an internal combustion engine (ICE) commenced.
- June 1992 - when hydrocarbon concentrations decreased, a Long Term Ambient Venting System (LTAV), consisting of a 100 scfm blower and associated stack, was permitted and installed at the site.
- September 1993 - An air sparging system was installed at the site. The system injected air into wells MW-3, MW-4 and MW-8.
- July 1996 - Based on telephone conversations with the regional water quality control board, the ground water pumping system was shut off.
- December 1996 - The air sparging system expanded to wells RW-3A, MW-2, MW-14 and MW-19.
- May 6, 1998 - The air-sparging system was restarted. The system injects air into wells MW-2, MW-4, MW-8, MW-9 MW-10, MW-14 and MW-19.
- November 17, 1998 - The groundwater pump-and-treat system was restarted. The system pumps water from recovery wells RW-2 and RW-3A.
- On May 17, 2002, the facility ownership was transferred to Tesoro Petroleum.
- On July 31, and August 1, 2003, RDM representative observed the installation of Geoprobe GP-1 through GP-3 and ozone sparge well OS-1.
- The ozone sparge system was installed during the second week in February 2004 and the long term ozone sparge test was put into operation on February 17, 2004.

HISTORICAL BACKGROUND INFORMATION

Tesoro Station No. 67062
Former Beacon Station No. 3700
7898 Old Redwood Highway
Cotati, California

- The ozone test conducted on ozone sparge well OS-1 was discontinued on October 13, 2004.

ENCLOSURE B

Ground Water Sampling Information

RDM ENVIRONMENTAL
GROUND WATER LEVEL DATA

Project Address:

Tesoro Petroleum No. 67062
7898 Old Redwood Hwy, Cotati CA

Date: 2/18/2005

Technicians :

SG/DF

Project Number: 67062

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-2	11	10:17	11.7	20.98			
MW-3	16	10:44	9.96	22.2			
MW-4	6	10:06	8.66	17.5			
MW-5	5	10:05	7.99	23.96			
MW-6	9	10:12	10.57	20.68			
MW-7	12	10:20	8.75	21.4			
MW-8	10	10:15	8.84	20.2			
MW-9	4	10:03	6.90	18.7			
MW-10	15	10:26	9.42	18.41			
MW-13	7	10:08	8.37	24.14			
MW-14	20	10:51	13.09	35.54			
MW-15	1	9:58	9.03	44.33			
MW-16	2	10:00	8.14	35.36			
MW-17	3	10:02	7.31	30.1			
MW-18	18	10:47	11.46	42.47			
MW-19	13	10:21	9.41	40.07			

RDM ENVIRONMENTAL GROUND WATER LEVEL DATA

Project Address:

Tesoro Petroleum No. 67062
7898 Old Redwood Hwy, Cotati CA

Date: 2/18/2005

Technicians :

SG/DF

Project Number: 67062

RDM ENVIRONMENTAL
GROUND WATER LEVEL DATA

Project Address:

Tesoro Petroleum No. 67062
7898 Old Redwood Hwy, Cotati CA

Date: 2/18/2005

Technicians :

SG/DF

Project Number: 67062

Well Number	Sample Order	Time	Depth to Water	Total Depth	Depth to Product	Product Thickness	Comments
MW-2	11	1017	11.70	20.98			
MW-3	16	1044	9.96	22.2			
MW-4	6	1006	8.66	17.5			
MW-5	5	1005	7.99	23.96			
MW-6	9	1012	10.57	20.68			
MW-7	12	1020	8.75	21.4			
MW-8	10	1015	8.84	20.2			
MW-9	4	1003	6.90	18.7			
MW-10	15	1026	9.42	18.41			
MW-13	7	1008	8.37	24.14			
MW-14	20	1051	13.09	35.54			
MW-15	1	0958	9.03	44.33			
MW-16	2	1000	8.14	35.36			
MW-17	3	1002	7.31	30.1			
MW-18	18	1047	11.46	42.47			
MW-19	13	1021	9.41	16.52			<i>NOTE: Actual total depth = 40.07</i>

Client:	Tesoro Petroleum	Sample Data:	2/18/2005					
Site:	Tesoro Petroleum No 67062	Project Number:	67062					
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-2					
Signature:	<i>[Signature]</i>							
Well Box Condition/Traffic								
Traffic Control	Yes <input checked="" type="radio"/> No <input type="radio"/>	Time:	<u>1017</u> hours					
Standing water	Yes <input checked="" type="radio"/> No <input type="radio"/>	above or below casing						
Top of well level	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark:						
Well cap & locked	Yes <input checked="" type="radio"/> No <input type="radio"/>	Remark: <u>An sparse point</u>						
Height of Riser	<u>2"</u>							
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"	Type of well box	<u>Not marked</u>					
Purging/Sampling Equipment								
Purging -								
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>					
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>					
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>					
Sampling -								
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>			
Well Purging								
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>	
Purge Vol. Multiplier	0.16	0.65	1.47	2.61				
Initial Measurement	Recharge Measurement			Calculated Purge	<u>4.45</u>			
Time: <u>1017</u>	Time: <u> </u>	Actual Purge	<u>4.0</u>					
Depth of Well <u>20.98</u>	Depth to Water <u>11.7</u>							
Sample								
Start Purge <u>1944</u>	Sample Time <u>1952</u>							
Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
<u>1945</u>	<u>73.1</u>	<u>702</u>	<u>8.63</u>					<u>1</u>
<u>1946</u>	<u>74.5</u>	<u>714</u>	<u>8.64</u>					<u>2</u>
<u>1948</u>	<u>78.6</u>	<u>735</u>	<u>8.71</u>					<u>3</u>
Sample Appearance	<u>CLEAR</u>			Lock	<u>N/A</u>			
Equipment Replacement								
Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>N/A</u>	Box	<u>04</u>	
Remarks:								

Client:	Tesoro Petroleum	Sample Data:	2/18/2005				
Site:	Tesoro Petroleum No 67062	Project Number:	67062				
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-3				
Signature:	<i>[Signature]</i>						
Well Box Condition/Traffic							
Traffic Control	Yes <input checked="" type="radio"/> No <input type="radio"/>	Time:	<u>1044</u> hours				
Standing water	Yes <input checked="" type="radio"/> No <input type="radio"/>	above or below casing					
Top of well level	Yes <input type="radio"/> No <input checked="" type="radio"/>	Remark:					
Well cap & locked	Yes <input checked="" type="radio"/> No <input type="radio"/>	Remark:					
Height of Riser	<u>10"</u>						
Well Box	8" <input checked="" type="radio"/> 12" <input type="radio"/> 24"	Type of well box	<u>Diversified Well Products</u>				
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>				
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>				
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>				
Sampling -							
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>		
Well Purging							
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			
Initial Measurement	Recharge Measurement			Calculated Purge			<u>5.88</u>
Time: <u>1044</u>	Time: <u></u>			Actual Purge	<u>6.0</u>		
Depth of Well <u>22,20</u>	Depth to Water <u></u>						
Depth to Water <u>9.96</u>							
Sample							
Start Purge <u>2210</u>	Sample Time <u>2219</u>						
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
<u>2212</u>	<u>62.5</u>	<u>387</u>	<u>8.79</u>				<u>1</u>
<u>2214</u>	<u>62.9</u>	<u>386</u>	<u>8.29</u>				<u>2</u>
<u>2215</u>	<u>64.2</u>	<u>392</u>	<u>7.97</u>				<u>3</u>
Sample Appearance	<u>CLEAR</u>			Lock	<u>04</u>		
Equipment Replacement							
Lock <u>04</u>	Well Cap <u>04</u>	Bolts <u>04</u>	Box <u>Need 2</u>	Too low in ground Cannot close lid			
Remarks:							

Client:	Tesoro Petroleum	Sample Data:	2/18/2005				
Site:	Tesoro Petroleum No 67062	Project Number:	67062				
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-4				
Signature:	<i>[Signature]</i>						
Well Box Condition/Traffic							
Traffic Control	Yes <input checked="" type="checkbox"/>	Time:	1006 hours				
Standing water	Yes <input checked="" type="checkbox"/>	above or below casing					
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:					
Well cap & locked	Yes <input checked="" type="checkbox"/>	Remark: <i>Air sparse post</i>					
Height of Riser	4"						
Well Box	8" <input checked="" type="checkbox"/> 12" <input type="checkbox"/> 24" <input checked="" type="checkbox"/>	Type of well box	<i>Diversified Well Products</i>				
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	<input checked="" type="checkbox"/>	Submersible Pump	<input type="checkbox"/>				
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>				
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>				
Sampling -							
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>		
Well Purging							
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			
Initial Measurement	Recharge Measurement			Calculated Purge	<i>4.24</i>		
Time: <i>1006</i>	Time: <i> </i>	Actual Purge			<i>4.25</i>		
Depth of Well <i>17.5</i>	Depth to Water <i>8.66</i>						
Sample							
Start Purge <i>1600</i>	Sample Time <i>1615</i>						
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
<i>1605</i>	<i>60.7</i>	<i>1207</i>	<i>6.98</i>				<i>1</i>
<i>1608</i>	<i>61.1</i>	<i>1235</i>	<i>6.97</i>				<i>2</i>
<i>1612</i>	<i>61.4</i>	<i>1236</i>	<i>6.97</i>				<i>3</i>
Sample Appearance <i>CLEAR</i>	Lock <i>N/A</i>						
Equipment Replacement							
Lock <i>N/A</i>	Well Cap <i>04</i>	Bolts <i>Neat 2</i>	Box <i>04</i>				
Remarks:							

Client:	Tesoro Petroleum	Sample Data:	2/18/2005					
Site:	Tesoro Petroleum No 67062 7898 Old Redwood Highway, Cotati, CA	Project Number:	67062					
Signature:	Well Designation: MW-5							
Well Box Condition/Traffic								
Traffic Control	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Time:	1005 hours					
Standing water	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	above or below casing						
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:						
Well cap & locked	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remark: CAP, no lock						
Height of Riser	1"							
Well Box	8" <input checked="" type="checkbox"/> 12" <input type="checkbox"/> 24" <input type="checkbox"/>	Type of well box	Morrison Dubugee					
Purging/Sampling Equipment								
Purging -								
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>					
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>					
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>					
Sampling -								
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>			
Well Purging								
Well Diameter:	2" <input checked="" type="checkbox"/>	4" <input type="checkbox"/>	6" <input type="checkbox"/>	8" <input type="checkbox"/>				
Purge Vol. Multiplier	0.16	0.65	1.47	2.61				
Initial Measurement	Recharge Measurement		Calculated Purge	7.67				
Time: <u>1005</u>	Time: <input type="checkbox"/>	Actual Purge	<u>7.5</u>					
Depth of Well <u>23.96</u>	Depth to Water <input type="checkbox"/>							
Depth to Water <u>7.99</u>								
Sample								
Start Purge <u>1546</u>	Sample Time <u>1555</u>							
Time	Temperature	E.C.	pH	ORP	Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	Volume
<u>1548</u>	<u>64.7</u>	<u>585</u>	<u>6.98</u>					<u>1</u>
<u>1550</u>	<u>65.8</u>	<u>542</u>	<u>6.98</u>					<u>2</u>
<u>1552</u>	<u>67.8</u>	<u>577</u>	<u>6.97</u>					<u>3</u>
Sample Appearance	<u>CLEAR</u>			Lock	<u>Need 1</u>			
Equipment Replacement								
Lock	<u>Need 1</u>	Well Cap	<u>04</u>	Bolts	<u>Need 1</u>	Box	<u>04</u>	
Remarks:								

Client:	Tesoro Petroleum	Sample Data:	2/18/2005				
Site:	Tesoro Petroleum No 67062	Project Number:	67062				
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-6				
Signature:	<i>[Signature]</i>						
Well Box Condition/Traffic							
Traffic Control	Yes <input checked="" type="checkbox"/> <input type="checkbox"/>	Time:	<u>1012</u> hours				
Standing water	Yes <input checked="" type="checkbox"/> <input type="checkbox"/>	above or below casing					
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:					
Well cap & locked	Yes <input checked="" type="checkbox"/> <input type="checkbox"/>	Remark:					
Height of Riser	<u>10"</u>						
Well Box 8" 12" 24"	Type of well box	<u>6" steel pipe, 24" hss</u>					
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>				
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>				
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>				
Sampling -							
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>		
Well Purging							
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			
Initial Measurement	Recharge Measurement			Calculated Purge <u>4.85</u>			
Time: <u>1012</u>	Time: <u></u>				Actual Purge	<u>4.85</u>	
Depth of Well <u>20.68</u>	Depth to Water <u></u>						
Depth to Water <u>10.57</u>							
Sample							
Start Purge	<u>1907</u>			Sample Time	<u>1912</u>		
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
<u>1908</u>	<u>62.6</u>	<u>394</u>	<u>8.83</u>				<u>1</u>
<u>1909</u>	<u>62.9</u>	<u>391</u>	<u>8.65</u>				<u>2</u>
<u>1910</u>	<u>62.0</u>	<u>422</u>	<u>8.58</u>				<u>3</u>
Sample Appearance	<u>Cloudy</u>			Lock	<u>04</u>		
Equipment Replacement							
Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>N/A</u>	Box	<u>04</u>
Remarks:							

Client:	Tesoro Petroleum	Sample Data:	2/18/2005				
Site:	Tesoro Petroleum No 67062	Project Number:	67062				
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-7				
Signature:	<i>[Signature]</i>						
Well Box Condition/Traffic							
Traffic Control	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Time:	1020 hours				
Standing water	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	above or below casing					
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:					
Well cap & locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remark:					
Height of Riser	8"						
Well Box	8" 12" 24"	Type of well box	6" stand pipe, 24" hiss				
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>				
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>				
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>				
Sampling -							
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>		
Well Purging							
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement	Recharge Measurement			Calculated Purge			
Time: 1020	Time:				Actual Purge	67	
Depth of Well 21.40	Depth to Water					7.0	
Depth to Water 8.75							
Sample							
Start Purge 2010				Sample Time 2018			
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
2012	63.0	485	7.18				1
2014	64.5	500	7.19				2
2016	65.4	515	7.18				3
Sample Appearance	CLEAR			Lock	04		
Equipment Replacement							
Lock 04	Well Cap 04	Bolts	N/A	Box	04		
Remarks:							

Client:	Tesoro Petroleum	Sample Data:	2/18/2005				
Site:	Tesoro Petroleum No 67062	Project Number:	67062				
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-8				
Signature:	<i>Jalra</i>						
Well Box Condition/Traffic							
Traffic Control	Yes <input checked="" type="checkbox"/>	Time:	<u>1015</u> hours				
Standing water	Yes <input checked="" type="checkbox"/>	above or below casing					
Top of well level	Yes <input type="checkbox"/>	Remark:					
Well cap & locked	Yes <input checked="" type="checkbox"/>	Remark:	<u>A - space line</u>				
Height of Riser	<u>3"</u>						
Well Box	8" <input checked="" type="checkbox"/> 24" <input type="checkbox"/>	Type of well box	<u>Diversified well product</u>				
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>				
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>				
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>				
Sampling -							
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>		
Well Purging							
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement	Recharge Measurement			Calculated Purge	<u>5.45</u>		
Time: <u>1015</u>	Time: <u> </u>			Actual Purge	<u>4.5</u>		
Depth of Well <u>26.20</u>	Depth to Water <u>26.20</u>						
Depth to Water <u>9.84</u>							
Sample							
Start Purge	<u>1928</u>			Sample Time	<u>1936</u>		
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
<u>1930</u>	<u>65.9</u>	<u>503</u>	<u>8.54</u>				<u>1</u>
<u>1931</u>	<u>66.2</u>	<u>495</u>	<u>8.56</u>				<u>2</u>
<u>1933</u>	<u>65.5</u>	<u>505</u>	<u>8.55</u>				<u>3</u>
Sample Appearance	<u>CLEAR</u>			Lock	<u>N/A</u>		
Equipment Replacement							
Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>Need 2</u>	Box	<u>Two loose, 1rd can not be closed</u>
Remarks:							

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-9

Signature: *[Signature]***Well Box Condition/Traffic**

Traffic Control	<input checked="" type="checkbox"/> Yes	No	Time: <u>1003</u> hours
Standing water	Yes	<input checked="" type="checkbox"/> No	above or below casing
Top of well level	Yes	No	Remark:
Well cap & locked	Yes	<input checked="" type="checkbox"/> No	Remark: <u>Air Sparse point</u>
Height of Riser	<u>6"</u>		
Well Box	8" <input checked="" type="checkbox"/> 12" <input type="checkbox"/> 24"	Type of well box	<u>Diversified well products</u>

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/> X

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/> X	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter: 2"	<input checked="" type="checkbox"/> X	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			
Initial Measurement	Recharge Measurement			Calculated Purge			<u>5.66</u>
Time: <u>1003</u>	Time: <u></u>			Actual Purge	<u>5.5</u>		
Depth of Well	<u>18.7</u>	Depth to Water	<u></u>				
Depth to Water	<u>6.9</u>						

SampleStart Purge 1510 Sample Time 1535

Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1512	68.0	515	6.97					1
1522	68.1	500	6.95					2
1530	68.2	511	6.98					3

Sample Appearance CLOUDY Lock N/A**Equipment Replacement**Lock 04 N/A Well Cap 04 Bolts real 2 Box 04

Remarks: 1514 - Decanted at 3 gallons, allowed to recharge for 5 mins
 1522 - Decanted at 4.5 gallons, allowed to recharge for 5 mins
 1530 Decanted at 5.5 gallons

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-10

Signature: *[Signature]***Well Box Condition/Traffic**

Traffic Control	<input checked="" type="checkbox"/> Yes	No	Time:	1026 hours
Standing water	Yes	<input checked="" type="checkbox"/> No	above or below casing	
Top of well level	Yes	No	Remark:	
Well cap & locked	Yes	<input checked="" type="checkbox"/> No	Remark:	Air sparse pt
Height of Riser	6'			
Well Box	8"	12"	Type of well box	Not marked

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	X	Submersible Pump	
2" PVC Bailer		Dedicated Bailer	
4" PVC Bailers		Centrifugal Pump	

Sampling -

Disposable Bailer	X	Teflon Bailer		Disposable Tubing	
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Well Purging

Well Diameter: 2"	X	4"	6"	8"	2.61
Purge Vol. Multiplier	0.16	0.65	1.47		
Initial Measurement		Recharge Measurement		Calculated Purge	4.32
Time:	1026	Time:		Actual Purge	4.5
Depth of Well	18.41	Depth to Water			
Depth to Water	9.42				

Sample

Start Purge	2136	Sample Time	2149
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Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
2142	65.0	689	7.18				1
2144	65.3	702	7.18				2
2146	65.7	712	7.18				3

Sample Appearance	CLEAR	Lock	N/A
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Equipment Replacement

Lock	N/A	Well Cap	04	Bolts	N/A	Box	04
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Remarks:

Client:	Tesoro Petroleum	Sample Data:	2/18/2005				
Site:	Tesoro Petroleum No 67062	Project Number:	67062				
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MN-13				
Signature:	<i>[Signature]</i>						
Well Box Condition/Traffic							
Traffic Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Time:	1008 hours				
Standing water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	above or below casing					
Top of well level	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Remark:					
Well cap & locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remark:					
Height of Riser	4"						
Well Box	8" <input checked="" type="checkbox"/> 12" <input type="checkbox"/> 24"	Type of well box	Not marked				
Purging/Sampling Equipment							
Purging -							
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>				
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>				
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>				
Sampling -							
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>		
Well Purging							
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61			
Initial Measurement	Recharge Measurement			Calculated Purge	7.57		
Time: 1008	Time: -	Actual Purge	14.5				
Depth of Well 24.14	Depth to Water						
Depth to Water 8.37							
Sample							
Start Purge 1730	Sample Time 1747						
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
1732	71.4	583	6.97				1
1737	72.5	559	8.25				2
1742	72.8	558	8.08				3
1743	73.0	559	8.10				4
Sample Appearance	CLEAR			Lock	04		
Equipment Replacement							
Lock	04	Well Cap	04	Bolts	N/A	Box	04
Remarks: Switc'd out Temp/EC/pH meter after 1 st volume since pH was not reading (frozen on 6.97)							

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-14
Signature:	<i>[Signature]</i>		

Well Box Condition/Traffic

Traffic Control	<input checked="" type="checkbox"/> Yes	No	Time: <u>1051</u> hours
Standing water	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	above or below casing
Top of well level	<input checked="" type="checkbox"/> Yes	No	Remark:
Well cap & locked	<input checked="" type="checkbox"/> Yes	No	Remark:
Height of Riser			<u>2"</u>
Well Box	8"	12"	24"
	Type of well box		<u>Not marked</u>

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	<input checked="" type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement	Recharge Measurement			Calculated Purge			<u>10.78</u>
Time: <u>1051</u>	Time: <u>35.54</u>				Actual Purge		<u>5</u>
Depth of Well	<u>35.54</u>	Depth to Water	<input type="checkbox"/>				
Depth to Water	<u>13.09</u>						

Sample

Start Purge	<u>2348</u>	Sample Time	<u>2359</u>
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Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
<u>2350</u>	<u>65.2</u>	<u>974</u>	<u>6.93</u>					<u>1</u>
<u>2352</u>	<u>65.6</u>	<u>977</u>	<u>6.93</u>					<u>2</u>
<u>2355</u>	<u>64.9</u>	<u>990</u>	<u>6.93</u>					<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>OK</u>
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Equipment Replacement

Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>N/A</u>	Box	<u>04</u>
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Remarks: Well cleaned after ~3 gallons with centrifugal pump, followed by poor recharge, obtained readings from ~2 gallons by bailed

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-15

Signature: *[Signature]***Well Box Condition/Traffic**

Traffic Control	<input checked="" type="checkbox"/> Yes	No	Time:	0958	hours
Standing water	<input checked="" type="checkbox"/> Yes	No	above or below casing		
Top of well level	<input checked="" type="checkbox"/> Yes	No	Remark:		
Well cap & locked	<input checked="" type="checkbox"/> Yes	No	Remark:		
Height of Riser	12"				
Well Box	<input checked="" type="checkbox"/> 8"	12"	24"	Type of well box	Morrison Drilling

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	Submersible Pump	<input checked="" type="checkbox"/>
2" PVC Bailer	Dedicated Bailer	_____
4" PVC Bailers	Centrifugal Pump	_____

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	_____	Disposable Tubing	_____
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Well Purging

Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	6"	8"
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	Recharge Measurement		Calculated Purge	16.94
Time: 0958	Time:	_____	Actual Purge	17
Depth of Well 44.33	Depth to Water	_____		
Depth to Water 9.03		_____		

Sample

Start Purge	1215	Sample Time	1258
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Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1222	65.8	611	6.54					1
1227	65.8	636	6.53					2
1233	65.9	641	6.53					3

Sample Appearance	CLEAR	Lock	04
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Equipment Replacement

Lock	04	Well Cap	04	Bolts	Need 1	Box	04
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Remarks:

Client:	Tesoro Petroleum	Sample Data:	2/18/2005					
Site:	Tesoro Petroleum No 67062	Project Number:	67062					
	7898 Old Redwood Highway, Cotati, CA	Well Designation: MW-16						
Signature:	<i>Selma</i>							
Well Box Condition/Traffic								
Traffic Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Time:	1000 hours					
Standing water	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	above or below casing						
Top of well level	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Remark:						
Well cap & locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remark:						
Height of Riser	10"							
Well Box	<input checked="" type="checkbox"/> 8" <input type="checkbox"/> 12" <input type="checkbox"/> 24"	Type of well box	<i>Charisty</i>					
Purging/Sampling Equipment								
Purging -								
2" Disposable Bailer	<input type="checkbox"/> Submersible Pump							
2" PVC Bailer	<input type="checkbox"/> Dedicated Bailer							
4" PVC Bailers	<input type="checkbox"/> Centrifugal Pump <input checked="" type="checkbox"/>							
Sampling -								
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/> Disposable Tubing <input type="checkbox"/>					
Well Purging								
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	6"	8"				
Purge Vol. Multiplier	0.16	0.65	1.47	2.61				
Initial Measurement	Recharge Measurement			Calculated Purge				
Time: 1000	Time: <i>1000</i>			Actual Purge <i>131</i>				
Depth of Well 35.36	Depth to Water			<i>13</i>				
Depth to Water 8.14								
Sample								
Start Purge 1250	Sample Time 1300							
Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1252	67.2	932	6.97					1
1255	67.9	952	6.96					2
1257	67.7	955	6.96					3
Sample Appearance	<i>CLEAR</i>			Lock	<i>04</i>			
Equipment Replacement								
Lock	<i>04</i>	Well Cap	<i>04</i>	Bolts	<i>N/A</i>	Box	<i>04</i>	
Remarks:								

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-17
Signature:	<i>S. D. L.</i>		

Well Box Condition/Traffic

Traffic Control	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Time: <u>1002</u> hours	
Standing water	<input checked="" type="checkbox"/>	No <input type="checkbox"/>	<u>above</u> or below casing	
Top of well level	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Remark:	
Well cap & locked	<input checked="" type="checkbox"/>	No <input type="checkbox"/>	Remark:	
Height of Riser	<u>8"</u>			
Well Box	8" <input checked="" type="checkbox"/>	12" <input type="checkbox"/>	24" <input type="checkbox"/>	Type of well box <u>Christy</u>

Purging/Sampling Equipment

Purging -			
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input checked="" type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter:	2" <input checked="" type="checkbox"/>	4" <input type="checkbox"/>	6" <input type="checkbox"/>	8" <input type="checkbox"/>
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	Recharge Measurement		Calculated Purge	
Time:	<u>1002</u>	Time:	<u>10.94</u>	
Depth of Well	<u>30.1</u>	Depth to Water	<u>14.0</u>	
Depth to Water	<u>7.31</u>			

Sample

Start Purge	<u>1437</u>	Sample Time	<u>1457</u>
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Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
1440	64.0	949	6.98					1
1443	64.4	1065	6.97					2
1445	64.4	1043	6.95					3
1448	64.3	1028	6.98					4

Sample Appearance	<u>CLEAR</u>	Lock	<u>04</u>
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Equipment Replacement

Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>N/A</u>	Box	<u>04</u>
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Remarks:

Client:	Tesoro Petroleum	Sample Data:	2/18/2005					
Site:	Tesoro Petroleum No 67062	Project Number:	67062					
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-18					
Signature:	<i>[Signature]</i>							
Well Box Condition/Traffic								
Traffic Control	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Time:	<u>1047</u> hours					
Standing water	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	above or below casing						
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:						
Well cap & locked	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Remark:						
Height of Riser	<u>24"</u>							
Well Box	8" 12" 24"	Type of well box	<u>6" stand pipe, 24" bgs</u>					
Purging/Sampling Equipment								
Purging -								
2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>					
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>					
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>					
Sampling -								
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>			
Well Purging								
Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>	
Purge Vol. Multiplier	0.16		0.65		1.47		2.61	
Initial Measurement	Recharge Measurement			Calculated Purge			<u>14.88</u>	
Time: <u>1047</u>	Time: <u>..</u>	Actual Purge			<u>14.5</u>			
Depth of Well <u>42.47</u>	Depth to Water <u>..</u>							
Depth to Water <u>11.46</u>								
Sample								
Start Purge <u>2258</u>	Sample Time <u>2311</u>							
Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
<u>2302</u>	<u>65.9</u>	<u>867</u>	<u>6.93</u>					<u>1</u>
<u>2305</u>	<u>65.8</u>	<u>867</u>	<u>6.93</u>					<u>2</u>
<u>2307</u>	<u>67.2</u>	<u>868</u>	<u>6.93</u>					<u>3</u>
Sample Appearance	<u>CLEAR</u>			Lock	<u>04</u>			
Equipment Replacement								
Lock <u>04</u>	Well Cap <u>04</u>	Bolts <u>N/A</u>	Box <u>04</u>					
Remarks:								

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	1W-19
Signature:	<i>[Signature]</i>		

Well Box Condition/Traffic

Traffic Control	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Time: <u>1021</u> hours
Standing water	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	above or below casing
Top of well level	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Remark:
Well cap & locked	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Remark: <u>Air space present</u>
Height of Riser	<u>2"</u>		
Well Box	<u>8"</u>	<u>12"</u>	Type of well box <u>Not noted</u>

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement	Recharge Measurement			Calculated Purge			<u>14.72</u>
Time: <u>1021</u>	Time: <u></u>				Actual Purge	<u>15</u>	
Depth of Well <u>40.07</u>	Depth to Water						
Depth to Water <u>9.41</u>							

Sample

Start Purge <u>2034</u>	Sample Time <u>2050</u>							
Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
<u>2037</u>	<u>69.2</u>	<u>550</u>	<u>8.7</u>					<u>1</u>
<u>2042</u>	<u>69.6</u>	<u>552</u>	<u>8.7</u>					<u>2</u>
<u>2046</u>	<u>69.7</u>	<u>552</u>	<u>8.55</u>					<u>3</u>
Sample Appearance	<u>CLEAR</u>			Lock	<u>N/A</u>			

Equipment Replacement

Lock <u>N/A</u>	Well Cap <u>04</u>	Bolts <u>04</u>	Box <u>04</u>
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Remarks:

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	MW-20
Signature:	<i>[Signature]</i>		

Well Box Condition/Traffic

Traffic Control	<input checked="" type="checkbox"/> Yes	No	Time: <u>1025</u> hours	
Standing water	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	above or below casing	
Top of well level	<input checked="" type="checkbox"/> Yes	No	Remark:	
Well cap & locked	<input checked="" type="checkbox"/> Yes	No	Remark:	
Height of Riser	<u>0"</u>			
Well Box	<input checked="" type="checkbox"/> 8"	<input type="checkbox"/> 12"	<input type="checkbox"/> 24"	Type of well box <u>Not marked</u>

Purging/Sampling Equipment

Purging -

2" Disposable Bailer	<input checked="" type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter: 2"	<input checked="" type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	0.16		0.65		1.47		2.61
Initial Measurement	Recharge Measurement			Calculated Purge			<u>3.95</u>
Time: <u>1025</u>	Time: <u>16:52</u>			Actual Purge			<u>4</u>
Depth of Well	Depth to Water						
Depth to Water	<u>8.30</u>						

Sample

Start Purge	<u>2100</u>	Sample Time	<u>2113</u>
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Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
2103	66.5	621	7.18					1
2106	68.2	626	7.18					2
2109	68.1	628	7.18					3

Sample Appearance	<u>CLEAR</u>	Lock	<u>04</u>
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Equipment Replacement

Lock	<u>04</u>	Well Cap	<u>04</u>	Bolts	<u>N/A</u>	Box	<u>04</u>
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Remarks:

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	RN-1

Signature: *[Signature]***Well Box Condition/Traffic**

Traffic Control	Yes <input checked="" type="checkbox"/>	Time: <u>1010</u> hours
Standing water	Yes <input checked="" type="checkbox"/>	above or below casing
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:
Well cap & locked	Yes <input checked="" type="checkbox"/>	Remark: <u>CAP. NO lock</u>
Height of Riser	<u>4"</u>	
Well Box	<u>8" 12" 24"</u> <u>18"</u>	Type of well box <u>Morrison Dubugue</u>

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter: 2"	4"	6"	<input checked="" type="checkbox"/>	8"
Purge Vol. Multiplier	0.16	0.65	1.47	2.61
Initial Measurement	Recharge Measurement	Calculated Purge	<u>118.23</u>	
Time: <u>1010</u>	Time: _____	Actual Purge	<u>20</u>	
Depth of Well <u>35.26</u>	Depth to Water _____			
Depth to Water <u>8.45</u>				

Sample

Start Purge	<u>1830</u>	Sample Time	<u>1840</u>				
Time	Temperature	E.C.	pH	ORP	Turbidity		Volume
<u>1832</u>	<u>65.3</u>	<u>817</u>	<u>8.37</u>				<u>1</u>
<u>1835</u>	<u>66.6</u>	<u>824</u>	<u>8.35</u>				<u>2</u>
<u>1837</u>	<u>66.7</u>	<u>828</u>	<u>8.31</u>				<u>3</u>

Sample Appearance CLEARLock N/A**Equipment Replacement**

Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>04</u>	Box	<u>04</u>
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Remarks:

Client:	Tesoro Petroleum	Sample Data:	2/18/2005
Site:	Tesoro Petroleum No 67062	Project Number:	67062
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	RW-2

Signature: *[Signature]***Well Box Condition/Traffic**

Traffic Control	Yes <input checked="" type="checkbox"/>	Time: <u>1046</u> hours
Standing water	Yes <input checked="" type="checkbox"/>	above or below casing
Top of well level	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Remark:
Well cap & locked	Yes <input checked="" type="checkbox"/>	Remark: <u>Recovery well, CAP, no lock</u>
Height of Riser	<u>0"</u>	
Well Box	8" 12" 24"	Type of well box <u>28x36, not marked</u>

Purging/Sampling Equipment**Purging -**

2" Disposable Bailer	<input type="checkbox"/>	Submersible Pump	<input type="checkbox"/>
2" PVC Bailer	<input type="checkbox"/>	Dedicated Bailer	<input type="checkbox"/>
4" PVC Bailers	<input type="checkbox"/>	Centrifugal Pump	<input checked="" type="checkbox"/>

Sampling -

Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>
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Well Purging

Well Diameter: 2"	<input type="checkbox"/>	4"	<input type="checkbox"/>	6"	<input type="checkbox"/>	8"	<input type="checkbox"/>
Purge Vol. Multiplier	<u>0.16</u>	<u>0.65</u>	<u>1.47</u>	<u>2.61</u>			
Initial Measurement		Recharge Measurement		Calculated Purge	<input type="checkbox"/>		
Time: <u>1046</u>		Time: <input type="checkbox"/>		Actual Purge	<input type="checkbox"/>	<u>32</u>	
Depth of Well	<u>6560</u>	Depth to Water	<input type="checkbox"/>				
Depth to Water	<u>10.23</u>						

Sample

Start Purge	<u>2230</u>	Sample Time	<u>2244</u>
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Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
<u>2235</u>	<u>67.1</u>	<u>722</u>	<u>7.49</u>					<u>1</u>
<u>2237</u>	<u>63.1</u>	<u>673</u>	<u>6.83</u>					<u>2</u>
<u>2240</u>	<u>64.3</u>	<u>699</u>	<u>6.93</u>					<u>3</u>

Sample Appearance	<u>CLEAR</u>	Lock	<u>N/A</u>
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Equipment Replacement			
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Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>N/A</u>	Box	<u>04</u>
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Remarks:			
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Client:	Tesoro Petroleum	Sample Data:	2/18/2005					
Site:	Tesoro Petroleum No 67062	Project Number:	67062					
	7898 Old Redwood Highway, Cotati, CA	Well Designation:	RW-3A					
Signature:	<i>Salem</i>							
Well Box Condition/Traffic								
Traffic Control	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Time:	60 56 hours					
Standing water	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	above or below casing						
Top of well level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remark:						
Well cap & locked	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Remark:						
Height of Riser	3"							
Well Box	8" 12" 24" <u>36"</u>	Type of well box	Pumco					
Purging/Sampling Equipment								
Purging -	<i>N/A</i>							
2" Disposable Bailer	Submersible Pump							
2" PVC Bailer	Dedicated Bailer							
4" PVC Bailers	Centrifugal Pump							
Sampling -								
Disposable Bailer	<input checked="" type="checkbox"/>	Teflon Bailer	<input type="checkbox"/>	Disposable Tubing	<input type="checkbox"/>			
Well Purging - No purge, active recovery well								
Well Diameter:	2"	4"	6"	<input checked="" type="checkbox"/> X	8"			
Purge Vol. Multiplier	0.16	0.65	1.47		2.61			
Initial Measurement	Recharge Measurement			Calculated Purge	<u>7277</u>			
Time:	<u>1050</u>	Time:		Actual Purge	<i>N/A</i>			
Depth of Well	<u>38.84</u>	Depth to Water						
Depth to Water	<u>22.34</u>							
Sample								
Start Purge	<i>N/A</i>			Sample Time	<u>2320</u>			
Time	Temperature	E.C.	pH	ORP	Turbidity			Volume
Sample Appearance	<i>CLOUDY</i>			Lock	<i>N/A</i>			
Equipment Replacement								
Lock	<u>N/A</u>	Well Cap	<u>04</u>	Bolts	<u>04</u>	Box	<u>04</u>	
Remarks:								

ENCLOSURE C

Ground Water Analytical Results



Report Number : 42501

Date : 3/1/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 20 Water Samples
Project Name : Tesoro St 67062
Project Number : 67062

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Analysis Summary

Report Number : 42501

Date : 3/1/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name : Tesoro St 67062
Project Number : 67062

Analyte	Method	Units	Sample Name		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8		MW-9	
			Sample Date	2/18/2005	MRL	Results														
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	0.89	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	0.75	0.50	ND	0.50	ND	0.50	1.6	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.67	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.94	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	27	0.50	19	0.50	2.6	0.50	ND	0.50	2.2	0.50	ND	0.50	ND	0.50	ND	0.50	0.98
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	910	5.0	ND														
TPH as Gasoline	EPA 8260B	ug/L	50	100	50	ND														
Toluene - d8 (Surr)	EPA 8260B	%		96.2		98.1		99.5		100		100		100		100		100		100
4-Bromofluorobenzene (Surr)	EPA 8260B	%		99.4		93.4		96.7		96.8		96.6		97.4		97.3		96.8		

MRL = Method Reporting Limit

ND = Not Detected

Approved By,

Joel Kiff



Analysis Summary

Report Number : 42501

Date : 3/1/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name : Tesoro St 67062
Project Number : 67062

Sample Name	Sample Date	MW-10		MW-13		MW-14		MW-15		MW-16		MW-17		MW-18		MW-19		
		Method	Units	MRL	Results													
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	3.0	1400	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	3.0	180	0.50	ND	0.50	ND	0.50	ND	0.50	3.9	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	0.50	1.1	0.50	ND	3.0	120	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Total Xylenes	EPA 8260B	ug/L	0.50	6.2	0.50	ND	3.0	470	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	0.66	0.50	0.69	3.0	890	0.50	ND	0.50	ND	0.50	ND	0.50	350	0.50	170
Diisopropyl ether (DIPPE)	EPA 8280B	ug/L	0.50	ND	0.50	ND	3.0	ND	0.50	ND								
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	3.0	ND	0.50	ND								
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	3.0	ND	0.50	ND								
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	5.0	ND	15	1100	5.0	ND	5.0	ND	5.0	ND	5.0	ND	5.0	ND
TPH as Gasoline	EPA 8260B	ug/L	50	220	50	ND	300	8100	50	ND	50	ND	50	ND	50	ND	50	ND
Toluene - d8 (Surr)	EPA 8260B	%		101		99.9		98.3		98.4		98.6		99.2		100		97.8
4-Bromofluorobenzene (Surr)	EPA 8260B	%		97.5		98.2		99.3		101		97.9		99.8		99.4		96.4

MRL = Method Reporting Limit
ND = Not Detected

Approved By,

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236



Analysis Summary

Report Number : 42501

Date : 3/1/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name : Tesoro St 67062
Project Number : 67062

Analyte *	Method	Units	MW-20		RW-1		RW-2		RW-3	
			Sample Name	Sample Date	2/18/2005	2/18/2005	2/18/2005	2/18/2005	MRL	Results
Benzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	74
Toluene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	4.3
Ethylbenzene	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	9.7
Total Xylenes	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	32
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	0.50	0.95	0.50	ND	0.50	24	1.5	410
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50	8.6	0.50	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50	ND	0.50	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	ND	5.0	ND	5.0	ND	7.0	2500
TPH as Gasoline	EPA 8260B	ug/L	50	ND	50	ND	50	ND	50	1100
Toluene - d8 (Surr)	EPA 8260B	%		99.4		100		97.3		100
4-Bromofluorobenzene (Surr)	EPA 8260B	%		98.1		95.6		97.0		95.9

MRL = Method Reporting Limit

ND = Not Detected

Approved By,

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236



2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 42501

Page 1 of 2

Project Contact (Hardcopy or PDF To):

Richard Munson

California EDF Report? Yes No

Company/Address:

Recommended but not mandatory to complete this section:

Sampling Company Log Code: - - -

Phone No.:

916 415 1134

FAX No.:

916 415 1154

Global ID:

T-0-6-0-9-7-0-0-0-0-2

Project Number:

67062

P.O. No.:

EDF Deliverable To (Email Address):

Project Name:

Tesoro St 67062

Sampler Signature:

RDM

Project Address:

7898 Old Redwood Hwy
Cotati, CA

Sample Designation

	Sampling		Container		Preservative		Matrix		BTEX (8021B)	BTEX/TPH Gas/MTBE (8021B/M8015)	TPH as Diesel (M8015)	TPH as Motor Oil (M8015)	TPH Gas/BTEX/MTBE (8260B)	5 Oxygenates/TPH Gas/BTEX (8260B)	7 Oxygenates/TPH Gas/BTEX (8260B)	5 Oxygenates (8260B)	7 Oxygenates (8260B)	Lead Scr. (1,2 DCA & 1,2 EED - 8260B)	EPA 8260B (Full List)	Volatile Halocarbons (EPA 8260B)	Lead (7421/239.2) TOTAL (X) W.E.T. (X)	TAT
	Date	Time	40 ml VOA	SLEEVE	HCl	HNO ₃	ICE	NONE	WATER	SOIL												
MW-2	2/18/05	1952	3		X	X			X													01
MW-3	2/18/05	2019	3		X	X			X													02
MW-4	2/18/05	1615	3		X	X			X													03
MW-5	2/18/05	1555	3		X	X			X													04
MW-6	2/18/05	1912	3		X	X			X													05
MW-7	2/18/05	2018	3		X	X			X													06
MW-8	2/18/05	1936	3		X	X			X													07
MW-9	2/18/05	1535	3		X	X			X													08
MW-10	2/18/05	2149	3		X	X			X													09
MW-13	2/18/05	1747	3		Y	Y			Y													10

Relinquished by:

J. D. Munson

Date Time Received by:

Remarks:

STAT

email copy to KDN

Relinquished by:

Date Time Received by:

Relinquished by:

Date Time Received by Laboratory:

Bill to:

Tesoro Petroleum / Rob DeRosa



2795 2nd Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4808

Lab No. 42501

Page 2 of 2

Project Contact (Hardcopy or PDF To):

Richard Mansub

California EDF Report? Yes No

Company/Address:

Recommended but not mandatory to complete this section:

Sampling Company Log Code: - - -

Phone No.:

716 415 1134

FAX No.:

916 415 1154

Global ID:

T-0-6-0-9-7-0-0-0-2

Project Number:

67062

P.O. No.:

EDF Deliverable To (Email Address):

Project Name:

Tesoro ST 67062

Sampler Signature:

Project Address:

7898 Old Redland Hwy
 Cotati, CA

Sample Designation

	Sampling		Container	Preservative	Matrix	BTEX (8021B)			
	Date	Time							
				HCl	HNO ₃	ICE	NONE	WATER	SOIL
MW-14	2/18/05	2359	3		X	X		X	
MW-15	2/18/05	1238	3		X	X		X	
MW-16	2/18/05	1300	3		X	X		X	
MW-17	2/18/05	1451	3		X	X		X	
MW-18	2/18/05	2311	3		X	X		X	
MW-19	2/18/05	2050	3		X	X		X	
MW-20	2/18/05	2113	3		X	X		X	
RW-1	2/18/05	1840	3		X	X		X	
RW-2	2/18/05	2244	3		X	X		X	
RW-3	2/18/05	2320	3		X	X		X	

Relinquished by:

Richard Mansub

Date

022305

Time

1525

Received by:

Remarks:

STAT

email copy to RPN

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

022305

Time

1525

Received by Laboratory:

K. Hays Kiff Analytical

Bill to:

Tesoro Petroleum / Ref. Divisions

12 hr/24 hr/48 hr/72 hr/1 wks

11

12

13

14

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16

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For Lab Use Only

TAT

ENCLOSURE D

Historical Ground Water Monitoring Data

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
MW-1	05/25/93 ⁴					
MW-2	02/15/96	106.58	10.04	96.54	---	No free product/no sheen
	05/29/96		11.13	95.45	---	No free product/no sheen
	08/15/96		14.05	92.53	---	No free product/no sheen
	11/20/96		16.73	89.85	---	No free product/no sheen
	02/27/97		9.18	97.40	---	No free product/no sheen
	05/30/97		12.79	93.79	22.10	No free product/no sheen
	07/30/97		15.25	91.33	22.10	No free product/no sheen
	12/04/97		13.99	92.59	22.11	No free product/no sheen
	02/17/98		5.51	101.07	22.12	No free product/no sheen
	05/18/98		10.29	96.29	22.16	No free product/no sheen
MW-3	02/15/96	105.99	10.40	95.59	---	No free product/no sheen
	05/29/96		11.69	94.30	---	No free product/no sheen
	08/15/96		11.82	94.17	---	No free product/no sheen
	11/20/96		17.36	88.63	---	No free product/no sheen
	02/27/97		9.15	69.84	---	No free product/no sheen
	05/30/97		13.06	92.93	22.20	No free product/no sheen
	07/30/97		15.40	90.59	22.22	No free product/no sheen
	12/04/97		14.20	91.79	22.22	No free product/no sheen
	02/17/98		4.98	101.01	22.25	No free product/no sheen
	05/18/98		8.89	97.10	22.25	No free product/no sheen
MW-4	02/15/96	104.52	12.31	92.21	---	No free product/no sheen
	05/29/96		12.83	91.69	---	No free product/no sheen
	08/15/96		16.22	88.30	---	No free product/no sheen
	11/20/96		---	---	---	Well Dry
	02/27/97		8.73	95.79	---	No free product/no sheen
	05/30/97		13.49	91.03	17.45	
	07/30/97		15.58	88.94	17.45	
	12/04/97		14.23	90.29	17.43	
	02/17/98		4.52	100.00	17.41	
	05/18/98		8.12	96.40	17.40	

NOTES: 1

= Measurement and reference elevation taken from notch/mark on top north side of well casing.

2

= Elevation referenced to mean sea level.

Well Depth³

= Measurement from top of casing to bottom of well.

4

= Well destroyed.

5

= Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet).

= Not measured/not observed.

**

= Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
MW-5	02/15/96	104.91	14.14	90.77	---	No free product/no sheen
	05/29/96		13.07	91.84	---	No free product/no sheen
	08/15/96		15.70	89.21	---	No free product/no sheen
	11/20/96		19.27	85.64	---	No free product/no sheen
	02/27/97		9.66	95.25	---	No free product/no sheen
	05/30/97		13.77	91.14	23.97	No free product/no sheen
	07/30/97		16.17	88.74	23.96	No free product/no sheen
	12/04/97		17.10	87.81	23.98	No free product/no sheen
	02/17/98		4.38	100.53	20.71	No free product/no sheen
	05/18/98		7.95	96.96	23.97	No free product/no sheen
MW-6	02/15/96	107.81	12.16	95.65	---	No free product/no sheen
	05/29/96		14.57	93.24	---	No free product/no sheen
	08/15/96		16.74	91.07	---	No free product/no sheen
	11/20/96		---	---	---	Well Dry
	02/27/97		11.82	95.99	---	No free product/no sheen
	05/30/97		15.65	92.16	20.71	
	07/30/97		17.02	90.79	20.71	
	12/04/97		15.01	92.80	20.70	
	02/17/98		7.01	100.80	20.71	
	05/18/98		9.50	98.31	20.71	
MW-7	02/15/96	106.31	9.52	96.79	---	No free product/no sheen
	05/29/96		10.72	95.59	---	No free product/no sheen
	08/15/96		13.89	92.49	---	No free product/no sheen
	11/20/96		17.64	88.67	---	Well Dry
	02/27/97		9.54	96.77	---	No free product/no sheen
	05/30/97		12.85	93.46	21.45	
	07/30/97		15.15	91.16	21.45	
	12/04/97		13.83	92.48	21.45	
	02/17/98		6.44	99.87	21.45	
	05/18/98		9.29	97.02	21.46	

NOTES: 1

= Measurement and reference elevation taken from notch/mark on top north side of well casing.

2

= Elevation referenced to mean sea level.

Well Depth³

= Measurement from top of casing to bottom of well.

4

= Well destroyed.

5

= Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)

= Not measured/not observed.

**

= Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
MW-8	02/15/96	106.50	8.61	97.89	---	No free product/no sheen
	05/29/96		10.08	96.42	---	No free product/no sheen
	08/15/96		13.34	93.16	---	No free product/no sheen
	11/20/96		16.09	90.41	---	No free product/no sheen
	02/27/97		8.92	97.58	---	No free product/no sheen
	05/30/97		11.99	94.51	18.45	No free product/no sheen
	07/30/97		14.36	92.14	18.45	No free product/no sheen
	12/04/97		8.82	97.68	18.46	No free product/no sheen
	02/17/98		3.59	102.91	18.46	No free product/no sheen
	05/18/98		8.55	97.95	18.47	No free product/no sheen
MW-9	02/15/96	106.25	8.87	97.38	---	No free product/no sheen
	05/29/96		9.50	96.75	---	No free product/no sheen
	08/15/96		12.74	93.51	---	No free product/no sheen
	11/20/96		15.31	90.94	---	No free product/no sheen
	02/27/97		8.25	98.00	---	No free product/no sheen
	05/30/97		11.51	94.74	18.59	No free product/no sheen
	07/30/97		14.13	92.12	18.56	No free product/no sheen
	12/04/97		12.64	93.61	18.57	No free product/no sheen
	02/17/98		3.48	102.77	18.57	No free product/no sheen
	05/18/98		7.65	98.60	18.56	No free product/no sheen
MW-10	02/15/96	106.47	12.05	94.42	---	No free product/no sheen
	05/29/96		11.64	94.83	---	No free product/no sheen
	08/15/96		15.11	91.36	---	No free product/no sheen
	11/20/96		17.13	89.34	---	No free product/no sheen
	02/27/97		9.66	96.81	---	No free product/no sheen
	05/30/97		13.67	92.80	18.42	No free product/no sheen
	07/30/97		16.04	90.43	18.43	No free product/no sheen
	12/04/97		15.90	90.57	18.44	No free product/no sheen
	02/17/98		6.29	100.18	18.42	No free product/no sheen
	05/18/98		9.16	97.31	18.44	No free product/no sheen
MW-12	05/25/93 ⁴					

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.

2 = Elevation referenced to mean sea level.

Well Depth³ = Measurement from top of casing to bottom of well.

4 = Well destroyed.

5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)

--- = Not measured/not observed.

** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
MW-13	02/15/96	106.01	8.55	97.46	---	No free product/no sheen
	05/29/96		9.42	96.59	---	No free product/no sheen
	08/15/96		12.63	93.38	---	No free product/no sheen
	11/20/96		15.21	90.80	---	No free product/no sheen
	02/27/97		8.16	97.85	---	No free product/no sheen
	05/30/97		11.45	94.56	24.01	No free product/no sheen
	07/30/97		14.00	92.01	24.01	No free product/no sheen
	12/04/97		12.51	93.50	24.02	No free product/no sheen
	02/17/98		5.19	100.82	24.02	No free product/no sheen
	05/18/98		8.12	97.89	24.02	No free product/no sheen
MW-14	02/15/96	106.64	12.83	93.81	---	No free product/no sheen
	05/29/96		14.15	92.49	---	No free product/no sheen
	08/15/96		16.13	90.51	---	No free product/no sheen
	11/20/96		19.21	87.43	---	No free product/no sheen
	02/27/97		11.40	95.24	---	No free product/no sheen
	05/30/97		15.40	91.60	39.56	No free product/no sheen
	07/30/97		17.26	89.38	39.57	No free product/no sheen
	12/04/97		16.38	90.26	39.58	No free product/no sheen
	02/17/98		6.83	99.81	39.58	No free product/no sheen
	05/18/98		10.24	96.40	39.58	No free product/no sheen
MW-15	02/15/96	105.12	15.82	89.30	---	No free product/no sheen
	05/29/96		13.60	91.52	---	No free product/no sheen
	08/15/96		16.47	88.65	---	No free product/no sheen
	11/20/96		19.73	85.39	---	No free product/no sheen
	02/27/97		12.22	92.90	---	No free product/no sheen
	05/30/97		15.14	89.98	44.32	No free product/no sheen
	07/30/97		17.56	87.56	44.32	No free product/no sheen
	12/04/97		18.56	86.56	44.33	No free product/no sheen
	02/17/98		8.91	96.21	44.31	No free product/no sheen
	05/18/98		10.12	95.00	44.30	No free product/no sheen

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.

2 = Elevation referenced to mean sea level.

Well Depth³ = Measurement from top of casing to bottom of well.

4 = Well destroyed.

5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet).

--- = Not measured/not observed.

** = Well has been dry or not listed for sampling since 3/92.

TABLE I
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
MW-16	02/15/96	104.92	13.50	91.42	---	No free product/no sheen
	05/29/96		11.56	93.36	---	No free product/no sheen
	08/15/96		14.84	90.08	---	No free product/no sheen
	11/20/96		18.15	86.77	---	No free product/no sheen
	02/27/97		10.97	93.95	---	No free product/no sheen
	05/30/97		13.84	91.08	35.20	No free product/no sheen
	07/30/97		15.82	89.10	35.21	No free product/no sheen
	12/04/97		14.41	90.51	35.21	No free product/no sheen
	02/17/98		8.23	96.69	35.24	No free product/no sheen
	05/18/98		8.48	96.44	35.23	No free product/no sheen
MW-17	02/15/96	103.01	13.91	89.10	---	No free product/no sheen
	05/29/96		14.17	88.84	---	No free product/no sheen
	08/15/96		16.75	86.26	---	No free product/no sheen
	11/20/96		18.93	84.08	---	No free product/no sheen
	02/27/97		10.85	92.16	---	No free product/no sheen
	05/30/97		14.33	88.68	39.10	No free product/no sheen
	07/30/97		17.03	85.98	39.11	No free product/no sheen
	12/04/97		15.02	87.99	39.10	No free product/no sheen
	02/17/98		7.12	95.89	39.07	No free product/no sheen
	05/18/98		9.60	93.41	39.08	No free product/no sheen
MW-18	02/15/96	108.35	12.56	95.79	---	No free product/no sheen
	05/29/96		13.90	94.45	---	No free product/no sheen
	08/15/96		16.81	91.54	---	No free product/no sheen
	11/20/96		20.54	87.81	---	No free product/no sheen
	02/27/97		12.33	96.02	---	No free product/no sheen
	05/30/97		15.71	92.64	42.36	No free product/no sheen
	07/30/97		18.06	90.29	42.37	No free product/no sheen
	12/04/97		16.32	92.03	42.38	No free product/no sheen
	02/17/98		9.20	99.15	42.38	No free product/no sheen
	05/18/98		12.03	96.32	42.36	No free product/no sheen

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.

2 = Elevation referenced to mean sea level.

Well Depth³ = Measurement from top of casing to bottom of well.

4 = Well destroyed.

5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet)

*** = Not measured/not observed.

** = Well has been dry or not listed for sampling since 3/92.

TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
MW-19	02/15/96	106.43	8.56	97.87	---	No free product/no sheen
	05/29/96		10.21	96.22	---	No free product/no sheen
	08/15/96		13.25	93.18	---	No free product/no sheen
	11/20/96		16.36	90.07	---	No free product/no sheen
	02/27/97		9.56	96.87	---	No free product/no sheen
	05/30/97		12.04	94.39	39.92	No free product/no sheen
	07/30/97		14.37	92.06	39.91	No free product/no sheen
	12/04/97		13.78	92.65	39.93	No free product/no sheen
	02/17/98		6.03	100.40	39.92	No free product/no sheen
	05/18/98		8.85	97.58	39.96	No free product/no sheen
MW-20	02/15/96	105.91	10.47	95.44	---	No free product/no sheen
	05/29/96		10.35	95.56	---	No free product/no sheen
	08/15/96		13.67	92.24	---	No free product/no sheen
	11/20/96		15.85	90.06	---	No free product/no sheen
	02/27/97		8.79	97.12	---	No free product/no sheen
	05/30/97		12.30	93.61	33.29	No free product/no sheen
	07/30/97		14.84	91.07	33.27	No free product/no sheen
	12/04/97		14.01	91.90	33.27	No free product/no sheen
	02/17/98		5.64	100.27	33.27	No free product/no sheen
	05/18/98		8.36	97.55	33.28	No free product/no sheen
RW-1	02/15/96	105.17	15.13	90.04	---	No free product/no sheen
	05/29/96		13.77	91.40	---	No free product/no sheen
	08/15/96		16.53	88.64	---	No free product/no sheen
	11/20/96		19.81	85.36	---	No free product/no sheen
	02/27/97		10.12	95.05	---	No free product/no sheen
	05/30/97		14.62	90.55	35.20	No free product/no sheen
	07/30/97		16.95	88.22	35.22	No free product/no sheen
	12/04/97		16.21	88.96	35.23	No free product/no sheen
	02/17/98		6.19	98.98	35.23	No free product/no sheen
	05/18/98		8.85	96.32	35.21	No free product/no sheen

NOTES: 1 = Measurement and reference elevation taken from notch/mark on top north side of well casing.

2 = Elevation referenced to mean sea level.

Well Depth³ = Measurement from top of casing to bottom of well.

4 = Well destroyed.

5 = Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet).

*** = Not measured/not observed.

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TABLE 1
GROUND WATER ELEVATION DATA
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(Measurements in feet)

Monitoring/ Vapor Extraction Well	Date	Reference Elevation (top of casing) ¹	Depth to Ground Water ¹	Ground Water Elevation ²	Well Depth ³	Comments
RW-2	02/15/96	105.22	20.94	84.28	---	No free product/no sheen
	05/29/96		54.66	50.56	---	No free product/no sheen
	08/15/96		18.31	86.91	---	No free product/no sheen
	11/20/96		22.02	83.20	---	No free product/no sheen
	02/27/97		11.95	93.27	---	No free product/no sheen
	05/30/97		16.24	88.98	65.61	
	07/30/97		18.66	86.56	65.61	
	12/04/97		17.89	87.33	65.60	
	02/17/98		4.72	100.50	65.60	
	05/18/98		10.71	94.51	65.64	
RW-3	07/27/95 ⁴					
RW-3A	02/15/96	105.72	10.25	95.47	---	No free product/no sheen
	05/29/96		11.23	94.49	---	No free product/no sheen
	08/15/96		13.97	91.75	---	No free product/no sheen
	11/20/96		16.90	88.82	---	No free product/no sheen
	02/27/97		8.80	96.92	---	No free product/no sheen
	05/30/97		12.47	93.25	38.89	
	07/30/97		14.93	90.79	38.87	
	12/04/97		13.42	92.30	38.88	
	02/17/98		4.81	100.91	38.82	
	05/18/98		8.59	97.13	38.82	

NOTES: 1

= Measurement and reference elevation taken from notch/mark on top north side of well casing.

2

= Elevation referenced to mean sea level.

Well Depth³

= Measurement from top of casing to bottom of well.

4

= Well destroyed.

5

= Recovery Well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995, and replaced by recovery well RW-3A (total depth 45 feet).

= Not measured/not observed.

**

= Well has been dry or not listed for sampling since 3/92.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-1	05/27/93 ²						
MW-2	02/15/96	2,400*	NA	<2.5	<2.5	<2.5	<2.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	1,300*	NA	<1.3	<1.3	<1.3	<1.3
	08/15/96	11,000	20,000	<50	<50	<50	<50
	11/20/96	9,500	13,000	<50	<50	<50	<50
	02/27/97	7,700	13,000	<13	<13	<13	<13
	05/30/97	<5,000	14,000	<50	<50	<50	<50
	07/30/97	<5,000	14,000	<50	54	<50	88
	12/04/97	48,000	3,900	<50	<50	<50	<50
	02/17/98	4,400	5,400	<50	<50	<50	<50
	05/18/98	<5,000	12,000	<50	<50	<50	<50
MW-3	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	8.9	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<1,000	1,600	<10	<10	<10	<10
	07/30/97	<1,000	6,100	<10	<10	<10	<10
	12/04/97 ³						
	02/17/98		2,200	<10	<10	<10	<10
	05/18/98 ⁴						
MW-4	02/15/96	210	NA	11	1	1.1	63
	05/29/96	<50	NA	1.9	<0.5	<0.5	1.1
	08/15/96	<50	7.6	2.4	<0.5	<0.5	1.5
	11/20/96	NS	NA	NS	NS	NS	NS
	02/27/97	<50	<5.0	0.68	<0.5	<0.5	<0.5
	05/30/97	<50	5.8	0.81	3.7	<0.50	0.78
	07/30/97	65	9.2	0.52	0.96	<0.50	0.85
	12/04/97 ⁵						
	02/17/98	71	<5.0	<0.50	<0.50	<0.50	1.3
	05/18/98 ⁵						
MW-5	02/15/96	<50	NA	0.58	<0.5	<0.5	<0.5
	05/29/96	<50	NA	0.65	<0.5	<0.5	<0.5
	08/15/96	<50	<5.0	1.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	0.53	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	0.85	<0.50	<0.50	<0.50
	12/04/97	16,000	<25	<2.5	11	<2.5	99
	02/17/98	110	20	<0.50	0.58	<0.50	<0.50
	05/18/98	170	<5.0	0.67	<0.50	<0.50	<0.50

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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene	Total Xylenes
MW-6	02/15/96 ³	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/29/96 ³						
	08/15/96 ³						
	11/20/96 ³						
	02/27/97						
	05/30/97						
	07/30/97 ³						
	12/04/97 ³						
	02/17/98						
MW-7	05/18/98 ⁵						
	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	6.8	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	13	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	23	<0.50	<0.50	<0.50	<0.50
	12/04/97 ⁵	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98						
MW-8	05/18/98 ⁵						
	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	67*	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	220	520	<0.5	<0.5	<0.5	<0.5
	11/20/96	5,100	8,600	<13	<13	<13	<13
	02/27/97	130	510	<0.5	<0.5	<0.5	<0.5
	05/30/97	130	75	<0.50	<0.50	<0.50	1.2
	07/30/97	<50	<5.0	0.57	<0.50	<0.50	<0.50
	12/04/97	<50	12	<0.50	<0.50	<0.50	<0.50
	02/17/98	<2,500	23,000	<25	<25	<25	32
MW-9	05/18/98 ⁵	<50	1,100	<0.50	<0.50	<0.50	<0.50
	02/15/96	96*	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	100*	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	110	460	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	15	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	6.5	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	130	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	93	<0.50	<0.50	<0.50	<0.50
	12/04/97 ⁵	56	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98						

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TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
			Gasoline	MTBE ¹	Benzene	Toluene	Ethylbenzene
MW-10	02/15/96	1,500	NA	20	0.76	30	120
	05/29/96	380	NA	2.7	<0.5	2.3	5.5
	08/15/96	1,100	<5.0	6.2	0.97	9.1	25
	11/20/96	830	<5.0	5.9	1.5	4	6.4
	02/27/97	350	<5.0	4	<0.5	0.53	2
	05/30/97	1,200	<5.0	2	1.8	5.7	11
	07/30/97	980	<5.0	1.4	1.6	5.1	15
	12/04/97	25,000	<25	<2.5	16	14	61
	02/17/98	3,000	26	26	2.9	54	270
	05/18/98	210	6.2	1.4	<0.50	1.7	14
MW-13	02/15/96	230*	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	24	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	12	<0.5	<0.5	<0.5	0.6
	02/27/97	220	16,000	3.5	<0.5	<0.5	<0.5
	05/30/97	300	330	<1.0	<1.0	<1.0	<1.0
	07/30/97	<50	440	<1.0	<1.0	<1.0	<1.0
	12/04/97	<100	54	<1.0	<1.0	<1.0	<1.0
	02/17/98	<2,500	20,000	<25	<25	<25	<25
	05/18/98	<50	670	<0.50	<0.50	<0.50	<0.50
MW-14	02/15/96	53,000	NA	11,000	8,900	950	9,900
	05/29/96	340,000	NA	13,000	11,000	4,700	24,000
	08/15/96	65,000	<1,300	15,000	7,500	970	10,000
	11/20/96	150,000	<1,300	15,000	6,000	3,100	14,000
	02/27/97	75,000	<1,300	4,200	5,600	2,200	11,000
	05/30/97	66,000	3,200	13,000	3,100	1,900	6,400
	07/30/97	100,000	4,800	9,200	3,700	3,000	12,000
	12/04/97	10,000	1,400	110	53	730	4,200
	02/17/98	31,000	7,100	1,900	1,400	580	5,300
	05/18/98	<1,000	15,000	61	<10	34	170
MW-15	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50

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⁵ = Well Not Sampled on This Date.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
		Gasoline	MTBE ¹	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-16	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	60	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97 ⁵						
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98 ⁵						
MW-17	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
MW-18	02/15/96	110*	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	62*	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	97	180	<0.5	<0.5	<0.5	<0.5
	11/20/96	150	310	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	53	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	200	<0.50	<0.50	<0.50	<0.50
	07/30/97	<50	400	<0.50	<0.50	<0.50	<0.50
	12/04/97	<50	32	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	350	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	250	<0.50	<0.50	<0.50	<0.50
MW-19	02/15/96	1,400*	NA	40	37	<1.3	6.4
	05/29/96	990*	NA	<5.0	<5.0	<5.0	<5.0
	08/15/96	1,100	1,400	<2.5	<2.5	<2.5	<2.5
	11/20/96	1,000	1,600	<5.0	<5.0	<5.0	<5.0
	02/27/97	4,500	8,200	<13	<13	<13	<13
	05/30/97	<1,000	6,300	<10	<10	<10	<10
	07/30/97	<1,000	6,200	<10	<10	<10	<10
	12/04/97	<1,000	2,500	<10	<10	<10	<10
	02/17/98	<25,000	120,000	<250	<250	<250	<250
	05/18/98	<25,000	85,000	<250	<250	<250	<250

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⁵ = Well Not Sampled on This Date.

TABLE 2
GROUND WATER ANALYTICAL RESULTS
BEACON STATION #700
7898 OLD REDWOOD HIGHWAY, COTATI, CALIFORNIA
(All results in micrograms per Liter)

Monitoring Well	Date Collected	Total Petroleum Hydrocarbons	Aromatic Volatile Organic Compounds				
			Gasoline	MTBE ¹	Benzene	Toluene	Ethyl-benzene
MW-20	02/15/96	390	NA	1.3	<0.5	13	28
	05/29/96	310	NA	2.6	1.3	11	18
	08/15/96	<50	<5.0	<0.5	<0.5	0.76	2
	11/20/96	<50	<5.0	<0.5	<0.5	0.55	1.7
	02/27/97	110	<5.0	<0.5	<0.5	2.1	1.9
	05/30/97	160	<5.0	<0.50	<0.50	3.7	5.7
	07/30/97	<50	<5.0	<0.50	<0.50	1.2	2.2
	12/04/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	02/17/98	180	<5.0	<0.50	<0.50	3.9	4.6
	05/18/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
RW-1	02/15/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	05/29/96	<50	NA	<0.5	1.4	<0.5	<0.5
	08/15/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	11/20/96	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	02/27/97	<50	<5.0	<0.5	<0.5	<0.5	<0.5
	05/30/97	<50	<5.0	<0.50	0.89	<0.50	<0.50
	07/30/97	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	12/04/97 ⁵						
	02/17/98	<50	<5.0	<0.50	<0.50	<0.50	<0.50
	05/18/98 ⁵						
RW-2	02/15/96	57	NA	7	<0.5	<0.5	1.8
	05/29/96	<50	NA	<0.5	<0.5	<0.5	<0.5
	08/15/96	<50	18	17	<0.5	<0.5	4
	11/20/96	70	24	16	0.53	2	3.4
	02/27/97	<50	20	<0.5	<0.5	<0.5	<0.5
	05/30/97	4,500	300	450	76	28	510
	07/30/97	5,300	350	370	63	180	650
	12/04/97	<50	54	<0.50	<0.50	<0.50	<0.50
	02/17/98	<50	46	<0.50	<0.50	<0.50	<0.50
	05/18/98	<50	84	<0.50	<0.50	<0.50	<0.50
RW-3	02/27/95 ⁴						
RW-3A	02/15/96	10,000	NA	120	<13	<13	810
	05/29/96	9,900*	NA	220	65	31	1,200
	08/15/96	18,000	26,000	<50	<50	<50	<50
	11/20/96	15,000	27,000	130	24	270	1,500
	02/27/97	16,000	21,000	82	<25	100	450
	05/30/97	<5,000	11,000	78	62	90	320
	07/30/97	<5,000	20,000	120	<50	200	630
	12/04/97	<5,000	20,000	<50	<50	<50	<50
	02/17/98	3,600	10,000	<50	<50	<50	<50
	05/18/98	<5,000	17,000	66	<50	<50	150

MTBE¹ = Methyl-Tertiary-Butyl Ether.

² = Well Destroyed.

< = Below indicated detection limit.

NA = Not Analyzed.

NS = Not Sampled.

* = Product is not typical gasoline.

³ = Not Sampled; Well Casing Bent.

⁴ = Recovery well RW-3 (total depth 35 feet) was overdrilled on May 13, 1995 and replaced by recovery well RW-3A (total depth 45 feet).

⁵ = Well Not Sampled on This Date.

ENCLOSURE E

Remediation System Analytical Results



Report Number : 42117

Date : 02/03/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 2 Water Samples
Project Name : Tesoro Station 67062
Project Number : 67062
P.O. Number : 67062

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Analysis Summary

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name :Tesoro Station 67062
Project Number : 67062

Sample Name		GW-Inf		GW-Eff	
Sample Date		01/27/05		01/27/05	
Analyte	Method	Units	MRL	Results	MRL
Benzene	EPA 8260B	ug/L	0.50	20	0.50
Toluene	EPA 8260B	ug/L	0.50	1.6	0.50
Ethylbenzene	EPA 8260B	ug/L	0.50	2.8	0.50
Total Xylenes	EPA 8260B	ug/L	0.50	30	0.50
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	1.0	430	0.50
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	0.50	ND	0.50
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	0.50	ND	0.50
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	0.50	ND	0.50
Tert-Butanol	EPA 8260B	ug/L	5.0	2400	5.0
TPH as Gasoline	EPA 8260B	ug/L	50	820	50
Toluene - d8 (Surr)	EPA 8260B	%		101	
4-Bromofluorobenzene (Surr)	EPA 8260B	%		120	
					94.8

MRL = Method Reporting Limit
ND = Not Detected

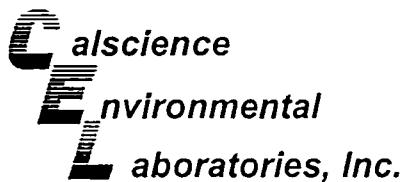
Approved By,

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236

Report Number : 42117

Date : 02/03/05



February 03, 2005

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: Calscience Work Order No.: 05-01-1544
Client Reference: Tesoro Station 67062

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/29/2005 and analyzed in accordance with the attached chain-of-custody.

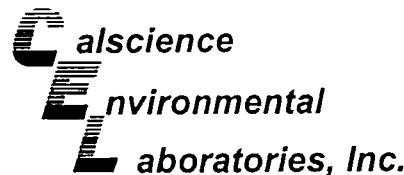
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Stephen Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

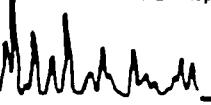
Date Received: 01/29/05
Work Order No: 05-01-1544
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Tesoro Station 67062

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID			
GW-Eff	05-01-1544-1	01/27/05	Aqueous	01/29/05	01/31/05	050129L02			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	0.0259	0.0100	1	
Lead	ND	0.0100	1						
Method Blank	097-01-003-4,540			N/A	Aqueous	01/29/05	01/31/05	050129L02	
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



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Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 01/29/05
Work Order No: 05-01-1544
Preparation: EPA 3010A Total
Method: EPA 200.7

Project Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-01-1516-4	Aqueous	ICP 3300	01/29/05	01/31/05	050129S02

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	103	106	80-120	3	0-20	
Lead	104	105	80-120	1	0-20	
Zinc	109	111	80-120	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

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Quality Control - LCS/LCS Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

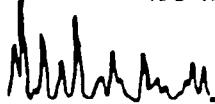
Date Received: N/A
Work Order No: 05-01-1544
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Tesoro Station 67062

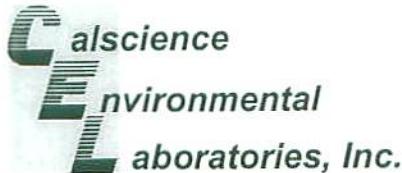
Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-4,540	Aqueous	ICP 3300	01/29/05	01/31/05	050129L02

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	103	105	80-120	2	0-20	
Lead	108	108	80-120	0	0-20	
Zinc	109	110	80-120	1	0-20	

RPD - Relative Percent Difference . CL - Control Limit



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Glossary of Terms and Qualifiers



Work Order Number: 05-01-1544

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





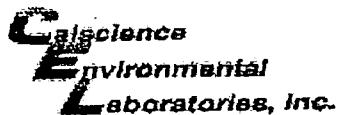
2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

05-01-1544

Lab No. _____ Page 1 of 1

Project Contact (Hardcopy or PDF to): Joel Kiff			Geotracker COELT EDD REPORT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			Chain-of-Custody Record and Analysis Request															
Company/Address: Kiff Analytical, LLC			Sampling Company Log Code:												Analysis Request						Date Due:
Phone No.:	FAX No.:	Global ID:																			
Project Number: 67062	P.O. No.: 42117	EDF Deliverable to (Email Address):																			
Project Name: Tesoro Station 67062			E-mail address: inbox@kiffanalytical.com																		
Project Address:	Sampling		Container			Preservative			Matrix			Cu, Pb, Zn	February 4, 2005	For Lab Use Only							
	Date	Time	Glass Jar	Poly	Amber	Sleeve	Teflar	H ₂ SO ₄	HNO ₃	ICE	NONE				Na ₂ S ₂ O ₃	WATER	SOIL	AIR			
GW-Eff	1/27/05	3:30	1					1	X		X		X			X					
Relinquished by: <i>Joel Kiff</i>	Kiff Analytical	Date 01/28/05	Time 1900	Received by:						Remarks:											
Relinquished by:		Date	Time	Received by:																	
Relinquished by: <i>Cal Overnight</i>	Date 1/29/05	Time 09:35	Received by Laboratory: <i>Northgate Analytical (CA)</i>	Bill to:																	



WORK ORDER #:

05 - 01 - 1544

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 1/29/05

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.3 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: RW

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: No (Not Intact): _____ Not Applicable (N/A): _____

Initial: PW

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	✓
Sample container label(s) consistent with custody papers.....	✓
Sample container(s) intact and good condition.....	✓
Correct containers for analyses requested.....	✓
Proper preservation noted on sample label(s).....	✓
VOA vial(s) free of headspace.....	✓
Tedlar bag(s) free of condensation.....	✓

Initial: _____

COMMENTS:



2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 42117

Page 1 of 1

Project Contact (Hardcopy or PDF To):

Richard Munc

California EDF Report? Yes No

Company/Address:

RPM Environmental

Recommended but not mandatory to complete this section:

Sampling Company Log Code: - - -

Phone No.:

(916) 415-1134

FAX No.:

(916) 415-1154

Global ID:

Project Number:

6706L

P.O. No.:

6706L

EDF Deliverable To (Email Address):

Project Name:

Tesoro Station 6706L

Sampler Signature:

Project Address:

Cotati CA

Sampling

Container

Preservative

Matrix

Sample Designation

Date

Time

40 ml VOA
SLEEVE
P.S.

HCl

HNO₃

ICE

NONE

WATER

SOIL

BTEX (8021B)

BTEX/TPH Gas/MTBE (8021B/M8015)

TPH as Diesel (M8015)

TPH as Motor Oil (M8015)

TPH Gas/BTEX/MTBE (8260B)

5 Oxygenates/TPH Gas/BTEX (8260B)

7 Oxygenates/TPH Gas/BTEX (8260B)

5 Oxygenates (8260B)

7 Oxygenates (8260B)

Lead Scr. (1.2 DCA & 1.2 EDB - 8260B)

EPA 8260B (Full List)

Volatile Halocarbons (EPA 8260B)

Lead (7421/239.2) TOTAL (X) W.E.T. (X)

Cu, Pb, Zn

12 hr/24 hr/48 hr/72 hr/1 wk

For Lab Use Only

-01

-02

Relinquished by:

Date

Time

Received by:

Remarks:

STAT

Relinquished by:

Date

Time

Received by:

Relinquished by:

Date

Time

Received by Laboratory:

Richard Munc KIFF ANALYTIC

Bill to:

Tesoro Petroleum / Rob Donavan



Report Number : 42556

Date : 3/4/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 2 Water Samples
Project Name : Tesoro Station 67062
Project Number : 67062
P.O. Number : 67062

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Analysis Summary

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name : Tesoro Station 67062
Project Number : 67062

Analyte	Method	Units	GW-INF		GW-EFF	
			Sample Date	2/27/2005	MRL	Results
Benzene	EPA 8260B	ug/L	1.0	56	0.50	ND
Toluene	EPA 8260B	ug/L	1.0	3.8	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	1.0	7.2	0.50	ND
Total Xylenes	EPA 8260B	ug/L	1.0	23	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	1.0	440	0.50	ND
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	1.0	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	1.0	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	1.0	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	5.0	2200	5.0	36
TPH as Gasoline	EPA 8260B	ug/L	100	980	50	ND
Toluene - d8 (Surrogate)	EPA 8260B	%		99.4		96.4
4-Bromofluorobenzene (Surrogate)	EPA 8260B	%		102		95.3

MRL = Method Reporting Limit

ND = Not Detected

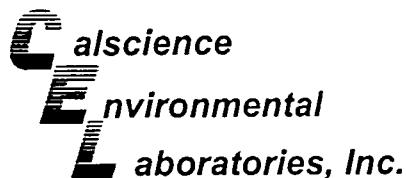
Approved By,

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236

Report Number : 42556

Date : 3/4/2005



March 04, 2005

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: Calscience Work Order No.: 05-03-0002
Client Reference: Tesoro Station 67062

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/1/2005 and analyzed in accordance with the attached chain-of-custody.

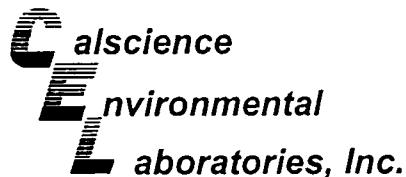
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/01/05
Work Order No: 05-03-0002
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

Project: Tesoro Station 67062

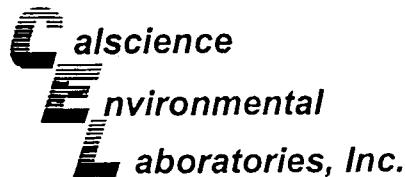
Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID			
GW-Eff	05-03-0002-1	02/27/05	Aqueous	03/01/05	03/02/05	050301L09			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	0.0348	0.0100	1	
Lead	ND	0.0100	1						
Method Blank		097-01-003-4,625	N/A	Aqueous	03/01/05	03/02/05	050301L09		
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers



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Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/01/05
Work Order No: 05-03-0002
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
05-03-0021-1	Aqueous	ICP 3300	03/01/05	03/02/05	050301S09

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	110	106	80-120	2	0-20	
Lead	103	101	80-120	2	0-20	
Zinc	114	109	80-120	3	0-20	

RPD - Relative Percent Difference . CL - Control Limit

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**Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.**

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: N/A
Work Order No: 05-03-0002
Preparation: EPA 3010A Total
Method: EPA 6010B

Project: Tesoro Station 67062

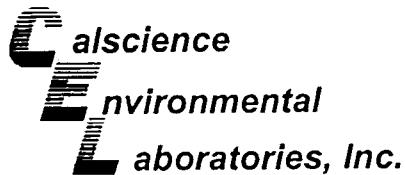
Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-4,625	Aqueous	ICP 3300	03/02/05	050302-i-05	050301L09

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	1.00	0.960	96	80-120	
Lead	1.00	1.02	102	80-120	
Zinc	1.00	1.00	100	80-120	

RPD - Relative Percent Difference , CL - Control Limit



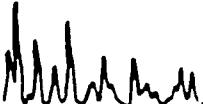
7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Glossary of Terms and Qualifiers

Work Order Number: 05-03-0002

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

Lab No.

0002

Page 1 of 1

Project Contact (Hardcopy or PDF to): Joel Kiff		Geotracker COELT EDD REPORT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		Chain-of-Custody Record and Analysis Request													
Company/Address: Kiff Analytical, LLC		Sampling Company Log Code:		Analysis Request													
Phone No.:	FAX No.:	Global ID:															
Project Number: 67062	P.O. No.: 42556	EDF Deliverable to (Email Address): inbox@kiffanalytical.com															
Project Name: Tesoro Station 67062		E-mail address:															
Project Address:		Sampling		Container		Preservative		Matrix		Pb, Cu, Zn	March 7, 2005	For Lab Use Only	Date Due:				
Sample Designation		Date	Time	Glass Jar	Poly	Amber	Sleeve	Teflon	H ₂ SO ₄					HNO ₃	ICE	NONE	Na ₂ S ₂ O ₃
GW-Eff		2/27/05	4:50	1					1	X		X	X				X
Relinquished by:		Date	Time	Received by:								Remarks:					
<i>Kiff Analytical</i>		02/28/05	1832														
Relinquished by:		Date	Time	Received by:													
Relinquished by:		Date	Time	Received by Laboratory:								Bill to:					
		3-1-5	8:30	<i>7 mrs red</i>													



WORK ORDER #:

05 - 0 3 - 0 0 0 2

Cooler 1 of 1

SAMPLE RECEIPT FORMCLIENT: KIFF.DATE: 03-01-05**TEMPERATURE – SAMPLES RECEIVED BY:****CALSCIENCE COURIER:**

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.7 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: Tn**CUSTODY SEAL INTACT:**Sample(s): _____ Cooler: ✓ No (Not Intact): _____ Not Applicable (N/A): _____Initial: Tn**SAMPLE CONDITION:**

	Yes	No	N/A
--	-----	----	-----

- Chain-Of-Custody document(s) received with samples..... ✓
- Sample container label(s) consistent with custody papers..... ✓
- Sample container(s) intact and good condition..... ✓
- Correct containers for analyses requested..... ✓
- Proper preservation noted on sample label(s)..... ✓
- VOA vial(s) free of headspace. ✓
- Tedlar bag(s) free of condensation..... ✓

Initial: Tn**COMMENTS:**



2795 2nd Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

Lab No. 42556

Page 1 of 1

Project Contact (Hardcopy or PDF To):

Richard Minusc

California EDF Report? Yes No

Company/Address:

RPM Environmental

Recommended but not mandatory to complete this section:

Sampling Company Log Code: - - -

Phone No.:

(916) 415-1134

FAX No.:

(916) 415-1154

Global ID: - - - - -

Project Number:

67062

P.O. No.:

67062

EDF Deliverable To (Email Address):

Project Name:

Tesoro Station 67062

Sampler Signature: *Oliver*

Project Address:

Cotati CA

Sampling

Container

Preservative

Matrix

Date

Time

40 ml VOA

SLEEVE

BTEX (B021B)

HCl

HNO₃

ICE

NONE

WATER

SOIL

Sample Designation

Gw-bnt

2/27/05 5:00

?

BTEX (B021B)

TPH Gas/MTBE (B021B/M8015)

TPH as Diesel (M8015)

TPH as Motor Oil (M8015)

TPH Gas/BTEX/MTBE (B260B)

5 Oxygenates/TPH Gas/BTEX (B260B)

7 Oxygenates/TPH Gas/BTEX (B260B)

5 Oxygenates (B260B)

7 Oxygenates (B260B)

Lead Scav. (1:2 DCA & 1:2 EDB - 8260B)

EPA 8260B (Full List)

Volatile Halocarbons (EPA 8260B)

Lead (7421/239.2) TOTAL (X) W.E.T. (X)

Gw-eft

2/27/05 4:50

2

1

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

101

102

Relinquished by:

Date Time Received by:

Remarks:

STAT

Relinquished by:

Date Time Received by:

Relinquished by:

Date Time Received by Laboratory:

Bill to:



Report Number : 42980

Date : 3/29/2005

Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Subject : 2 Water Samples
Project Name : Tesoro Station 67062
Project Number : 67062
P.O. Number : 67062

Dear Mr. Munsch,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Joel Kiff".

Joel Kiff



Analysis Summary

Report Number : 42980

Date : 3/29/2005

Attention : Richard Munsch
RDM Environmental
6280 Brookshire Drive
Rocklin, CA 95677

Project Name : Tesoro Station 67062
Project Number : 67062

Analyte	Method	Units	GW-Inf		GW-Eff	
			Sample Date	3/24/2005	Sample Date	3/24/2005
Benzene	EPA 8260B	ug/L	1.0	45	0.50	ND
Toluene	EPA 8260B	ug/L	1.0	2.9	0.50	ND
Ethylbenzene	EPA 8260B	ug/L	1.0	4.8	0.50	ND
Total Xylenes	EPA 8260B	ug/L	1.0	30	0.50	ND
Methyl-t-butyl ether (MTBE)	EPA 8260B	ug/L	1.0	370	0.50	0.90
Diisopropyl ether (DIPE)	EPA 8260B	ug/L	1.0	ND	0.50	ND
Ethyl-t-butyl ether (ETBE)	EPA 8260B	ug/L	1.0	ND	0.50	ND
Tert-amyl methyl ether (TAME)	EPA 8260B	ug/L	1.0	ND	0.50	ND
Tert-Butanol	EPA 8260B	ug/L	10	2200	5.0	50
TPH as Gasoline	EPA 8260B	ug/L	100	1300	50	ND
Toluene - d8 (Surrogate)	EPA 8260B	%		95.5		99.7
4-Bromofluorobenzene (Surrogate)	EPA 8260B	%		99.1		98.9

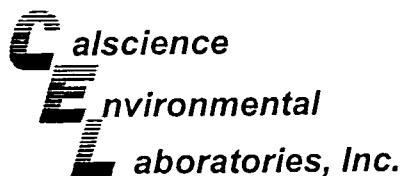
MRL = Method Reporting Limit

ND = Not Detected

Approved By,

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800
ELAP # 2236



March 30, 2005

Joel Kiff
Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Subject: **Calscience Work Order No.: 05-03-1738**
Client Reference: **Tesoro Station 67062**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/26/2005 and analyzed in accordance with the attached chain-of-custody.

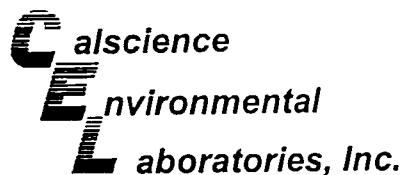
Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Assurance Program Manual, applicable standard operating procedures, and other related documentation. The original report of any subcontracted analysis is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

A handwritten signature in black ink that reads "Stephen Nowak".

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager



Analytical Report

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/26/05
Work Order No: 05-03-1738
Preparation: EPA 3010A Total
Method: EPA 6010B
Units: mg/L

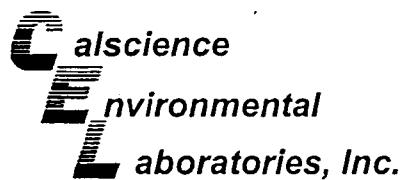
Project: Tesoro Station 67062

Page 1 of 1

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Date Prepared	Date Analyzed	QC Batch ID			
GW-Eff	05-03-1738-1	03/24/05	Aqueous	03/28/05	03/29/05	050328L04			
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						
Method Blank		097-01-003-4,685	N/A	Aqueous	03/28/05	03/28/05	050328L04		
Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Copper	ND	0.00500	1		Zinc	ND	0.0100	1	
Lead	ND	0.0100	1						

RL - Reporting Limit . DF - Dilution Factor . Qual - Qualifiers

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Quality Control - Spike/Spike Duplicate

Kiff Analytical
2795 2nd Street, Suite 300
Davis, CA 95616-6593

Date Received: 03/26/05
Work Order No: 05-03-1738
Preparation: EPA 3010A Total
Method: EPA 6010B

Project Tesoro Station 67062

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
GW-Eff	Aqueous	ICP 3300	03/28/05	03/29/05	050328S04

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Copper	107	103	80-120	4	0-20	
Lead	110	105	80-120	4	0-20	
Zinc	115	113	80-120	1	0-20	

RPD - Relative Percent Difference . CL - Control Limit

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Environmental Quality Control - Laboratory Control Sample
Laboratories, Inc.

Kiff Analytical
 2795 2nd Street, Suite 300
 Davis, CA 95616-6593

Date Received: N/A
 Work Order No: 05-03-1738
 Preparation: EPA 3010A Total
 Method: EPA 6010B

Project: Tesoro Station 67062

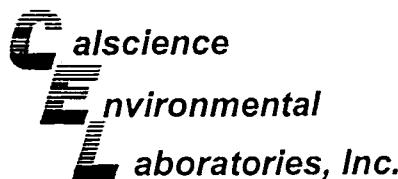
Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-4,685	Aqueous	ICP 3300	03/28/05	050325-I-04	050328L04

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Copper	1.00	1.00	100	80-120	
Lead	1.00	0.999	100	80-120	
Zinc	1.00	1.01	101	80-120	

RPD - Relative Percent Difference , CL - Control Limit



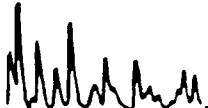
7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



Glossary of Terms and Qualifiers

Work Order Number: 05-03-1738

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.





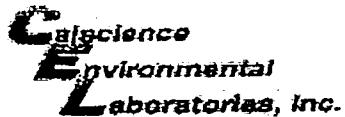
2795 Second Street, Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4808

1738
Cal Science Environmental
7440 Lincoln Way
Garden Grove, CA 92841
714-895-5494

05-03-1738

Lab No. _____ Page 1 of 1

Project Contact (Hardcopy or PDF to): Joel Kiff			Geotracker COELT EDD REPORT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			Chain-of-Custody Record and Analysis Request																		
Company/Address: Kiff Analytical, LLC			Sampling Company Log Code:			Analysis Request			Date Due:															
Phone No.:	FAX No.:		Global ID:																					
Project Number:	P.O. No.:		EDF Deliverable to (Email Address):																					
Project Name: Tesoro Station 67062			E-mail address: inbox@kiffanalytical.com																					
Project Address:	Sampling		Container	Preservative	Matrix	Cu, Pb, Zn																		
	Date	Time	Glass Jar	Poly	Amber					Sleeve	Tedlar	H ₂ SO ₄	HNO ₃	ICE	NONE	Na ₂ S ₂ O ₃	WATER	SOIL	AIR					
GW-Eff	3/24/05	3:30	1					1	X		X	X												
Relinquished by: <i>Layla</i>	Date 03/25/05	Time (9:02)	Received by: 			Remarks:																		
Relinquished by: 	Date	Time	Received by:																					
Relinquished by: <i>Cal Overnight</i>	3/26/05	09:00	<i>Cal Overnight (CER)</i>			Bill to:																		



WORK ORDER #:

05 - 03 - 17 38

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: KIFF

DATE: 03/26/05

TEMPERATURE – SAMPLES RECEIVED BY:**CALSCIENCE COURIER:**

- Chilled, cooler with temperature blank provided.
- Chilled, cooler without temperature blank.
- Chilled and placed in cooler with wet ice.
- Ambient and placed in cooler with wet ice.
- Ambient temperature.
- °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- 3.1 °C Temperature blank.
- °C IR thermometer.
- Ambient temperature.

Initial: PW

CUSTODY SEAL INTACT:Sample(s): _____ Cooler: No (Not Intact) : _____ Not Applicable (N/A): _____

Initial: PW

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples.....	✓
Sample container label(s) consistent with custody papers.....	✓
Sample container(s) intact and good condition.....	✓
Correct containers for analyses requested.....	✓
Proper preservation noted on sample label(s).....	✓
VOA vial(s) free of headspace.....	✓
Tedlar bag(s) free of condensation.....	✓

Initial: PW

COMMENTS:



2795 2nd Street, Suite 300
 Davis, CA 95616
 Lab: 530.297.4800
 Fax: 530.297.4808

Project Contact (Hardcopy or PDF TP):
Richard Mansur
 Company/Address:

20m Environmental

California EDF Report? Yes No

Recommended but not mandatory to complete this section:
 Sampling Company Log Code: - - -

Global ID: - - - - -
 FAX No.: (510) 445-1154

EDF Deliverable To (Email Address):
 P.O. No: 67062

Sampler Signature:

Project Name: Tecso Station 67062

Project Address: Catell C.A.

Sample Designation	Date	Time	Sampling Container	Preservative	Matrix
Gum-Linf	3/24/05	2	SLEEVE	HCl	WATER
Gum-soft	3/24/05	2	SLEEVE	HNO ₃	SOIL

Lab No. 42980 Page 4 of 1

Chain-of-Custody Record and Analysis Request

Analysis Request

Lead (7421/239.2) TOTAL (x) W.E.T. (x)

Volatile Halocarbons (EPA 8260B)

Lead Scav. (1,2 DCA & 1,2 EDB - 8260B)

EPA 8260B (Full L131)

7 Oxygenates (8260B)

5 Oxygenates/TPH Gas/BTEX (8260B)

X X 7 TPH Gas/BTEX/MTBE (8260B)

TPH as Motor Oil (M8015)

TPH as Diesel (M8015)

BTEX (8021B)

BTEX/TPH Gas/MTBE (8021B/M8015)

TPH as Motor Oil (M8015)

TPH as Diesel (M8015)

BTEX (8021B)

BTEX/TPH Gas/MTBE (8021B/M8015)

TPH as Motor Oil (M8015)

TPH as Diesel (M8015)

BTEX (8021B)

BTEX/TPH Gas/MTBE (8021B/M8015)

TPH as Motor Oil (M8015)

TPH as Diesel (M8015)

BTEX (8021B)

Kiff Analytical

Remarks:

(STAF)

Bill to: Tesco Petroleum

Relinquished by: _____

Date Time Received by:

Relinquished by: _____

Date Time Received by: